

PHP MCQs Expert Level

php MCQs - expert Level (1-50 Questions with Answer)

Here's a set of **50 expert-level PHP multiple-choice questions (MCQs)** with answers to challenge your deep understanding of PHP:

PHP Expert Level MCQs (1-50)

1. Which of the following is the correct way to declare a constant in PHP?

- a) `define("PI", 3.14);`
- b) `const PI = 3.14;`
- c) Both a and b
- d) None of the above

Answer: c) Both a and b

2. What will be the output of the following code?

```
php

echo 5 + "10 little pigs";
```

- a) 15
- b) 5
- c) 10 little pigs
- d) Error

Answer: a) 15

(PHP converts string to int until non-numeric characters)

3. Which of the following functions is used to start a session in PHP?

- a) `session_begin()`
- b) `start_session()`
- c) `session_start()`
- d) `begin_session()`

Answer: c) `session_start()`

4. What is the output of the following code snippet?

php

```
var_dump([] == false);
```

- a) true
- b) false
- c) NULL
- d) Error

Answer: a) true

(Empty array loosely equals false)

sql MCQs - easy Level (1-50 Questions with Answer)

Here's a set of **50 easy-level SQL multiple-choice questions (MCQs) with answers** to help build a strong foundation:

SQL Easy Level MCQs (1-50)

1. Which SQL statement is used to retrieve data from a database?

- a) SELECT
- b) GET
- c) FETCH
- d) RETRIEVE

Answer: a) SELECT

2. Which keyword is used to sort the result-set in ascending order?

- a) ORDER BY DESC
- b) ORDER BY ASC
- c) SORT BY ASC
- d) SORT BY DESC

Answer: b) ORDER BY ASC

3. What does SQL stand for?

- a) Structured Query Language
- b) Simple Query Language
- c) Sequential Query Language
- d) Standard Query List

Answer: a) Structured Query Language

4. Which SQL statement is used to insert new data into a database?

- a) INSERT INTO
- b) ADD NEW
- c) CREATE
- d) UPDATE

Answer: a) INSERT INTO

5. How do you select all columns from a table named "Employees"?

- a) SELECT * FROM Employees;
- b) SELECT all FROM Employees;
- c) GET * FROM Employees;
- d) SELECT Employees FROM *;

Answer: a) SELECT * FROM Employees;

6. Which SQL clause is used to filter records?

- a) WHERE
- b) FILTER
- c) HAVING
- d) ORDER BY

Answer: a) WHERE

7. What is the default sorting order of the ORDER BY clause?

- a) DESC
- b) ASC
- c) RANDOM
- d) NONE

Answer: b) ASC

8. Which SQL command is used to delete data from a database?

- a) REMOVE
- b) DELETE
- c) DROP
- d) ERASE

Answer: b) DELETE

9. What is the purpose of the SQL GROUP BY clause?

- a) To group rows that have the same values in specified columns
- b) To order rows in a specific sequence
- c) To filter records based on condition
- d) To join two tables

Answer: a) To group rows that have the same values in specified columns

10. Which SQL function is used to count the number of rows in a table?

- a) SUM()
- b) COUNT()
- c) TOTAL()
- d) NUMBER()

Answer: b) COUNT()

11. Which of the following is used to change data in a database?

- a) UPDATE
- b) MODIFY
- c) CHANGE
- d) ALTER

Answer: a) UPDATE

12. What will the following query return?

sql

```
SELECT COUNT(*) FROM Employees;
```

- a) Total number of columns in Employees
- b) Total number of rows in Employees
- c) The first row from Employees
- d) Sum of all numeric values in Employees

Answer: b) Total number of rows in Employees

**

Here's a list of **50 easy-level PHP multiple-choice questions (MCQs) with answers** to help you get comfortable with PHP basics:

PHP Easy Level MCQs (1-50)

1. Which symbol is used to declare a variable in PHP?

- a) #
- b) \$
- c) &
- d) %

Answer: b) \$

2. What does `echo` do in PHP?

- a) Takes input
- b) Outputs data to the browser
- c) Declares variables
- d) Creates functions

Answer: b) Outputs data to the browser

3. How do you write a single-line comment in PHP?

- a) `# comment`
- b) `// comment`
- c) `/* comment */`
- d) Both a and b

Answer: d) Both a and b

4. What is the correct way to start a PHP script?

- a) `<php>`
- b) `<?php`
- c) `<?`
- d) `</php>`

Answer: b) `<?php`

5. Which of the following is NOT a valid data type in PHP?

- a) String
- b) Integer
- c) Boolean
- d) Character

Answer: d) Character

6. How do you end a PHP statement?

- a) With a period `.`
- b) With a colon `:`
- c) With a semicolon `;`
- d) With a comma `,`

Answer: c) With a semicolon `;`

7. Which function is used to get the length of a string?

- a) `strlen()`
- b) `count()`
- c) `size()`
- d) `length()`

Answer: a) `strlen()`

8. How do you create a function in PHP?

- a) `function myFunc() {}`
- b) `def myFunc() {}`
- c) `func myFunc() {}`
- d) `create function myFunc() {}`

Answer: a) `function myFunc() {}`

9. Which superglobal variable is used to collect form data sent with the POST method?

- a) `$_POST`
- b) `$_GET`
- c) `$_REQUEST`
- d) `$_SESSION`

Answer: a) `$_POST`

10. How do you declare an array in PHP?

- a) `$arr = array();`
- b) `$arr = [];`
- c) Both a and b
- d) `$arr = {}`

Answer: c) Both a and b

11. Which of the following is used to include a file only once?

- a) `include()`
- b) `require()`
- c) `include_once()`
- d) `require()`

Answer: c) `include_once()`

12. What will `echo 2 + "3";` output?

- a) 5
- b) 23
- c) Error
- d) 2

Answer: a) 5

13. How do you start a session in PHP?

- a) `session_start();`
- b) `start_session();`
- c) `begin_session();`
- d) `session_begin();`

Answer: a) `session_start();`

14. How can you check if a variable is set?

- a) `isset($var)`
- b) `is_set($var)`
- c) `set($var)`
- d) `exist($var)`

Answer: a) `isset($var)`

15. What is the output of `var_dump(true);` ?

- a) `bool(true)`
- b) `true`
- c) `1`
- d) `Boolean`

Answer: a) `bool(true)`

16. What is the correct way to write an IF statement in PHP?

- a) `if (condition) { }`
- b) `if condition { }`
- c) `if: condition { }`
- d) `if (condition) then { }`

Answer: a) `if (condition) { }`

17. Which PHP function is used to include another PHP file and stop execution if file is missing?

- a) `include()`
- b) `require()`
- c) `include_once()`
- d) `require_once()`

Answer: b) `require()`

18. How do you declare a constant in PHP?

- a) `define("NAME", "value");`
- b) `const NAME = "value";`
- c) Both a and b
- d) `constant NAME = "value";`

Answer: c) Both a and b

19. Which function converts a string to uppercase?

- a) `strtoupper()`
- b) `strtolower()`
- c) `upper()`
- d) `toUpperCase()`

Answer: a) `strtoupper()`

20. How do you start a for loop in PHP?

- a) `for ($i=0; $i<10; $i++) {}`
- b) `for i in range(10) {}`
- c) `for ($i<10; $i++) {}`
- d) `loop ($i=0; $i<10; $i++) {}`

Answer: a) `for ($i=0; $i<10; $i++) {}`

21. What will this code output?

php

```
$x = 10;  
echo $x++;
```

- a) 10
- b) 11
- c) 9
- d) Error

Answer: a) 10

(Post-increment outputs current value first)

22. Which of the following is a valid PHP variable name?

- a) `$1variable`
- b) `$variable_1`
- c) `$-variable`
- d) `$variable-name`

Answer: b) `$variable_1`

23. How do you get information about the current PHP version?

- a) `php_version();`
- b) `phpinfo();`

c) `phpversion();`

d) `version();`

Answer: c) `phpversion();`

24. Which operator is used for concatenation in PHP?

a) `+`

b) `.`

c) `&`

d) `concat()`

Answer: b) `.`

25. How do you declare a class in PHP?

a) `class MyClass {}`

b) `def MyClass {}`

c) `new class MyClass {}`

d) `class: MyClass {}`

Answer: a) `class MyClass {}`

26. What does the PHP function `empty()` check?

a) If a variable is set

b) If a variable is NULL

c) If a variable has an empty value like 0, "", NULL, or false

d) If a variable is undefined

Answer: c) If a variable has an empty value like 0, "", NULL, or false

27. What will be the output?

php

```
echo gettype(3.14);
```

- a) integer
- b) double
- c) float
- d) number

Answer: b) double

28. Which keyword is used to inherit a class in PHP?

- a) inherit
- b) extends
- c) implements
- d) uses

Answer: b) extends

29. How do you create an associative array?

- a) `$arr = array("key1" => "value1", "key2" => "value2");`
- b) `$arr = ["key1": "value1", "key2": "value2"];`
- c) `$arr = {key1: "value1", key2: "value2"};`
- d) `$arr = ("key1" => "value1", "key2" => "value2");`

Answer: a) `$arr = array("key1" => "value1", "key2" => "value2");`

30. Which of the following is the correct way to get the length of an array?

- a) `count($array);`
- b) `length($array);`
- c) `size($array);`
- d) `array_length($array);`

Answer: a) `count($array);`

31. How do you stop a loop prematurely in PHP?

- a) `break;`
- b) `stop;`
- c) `exit;`
- d) `end;`

Answer: a) `break;`

32. Which of the following is the correct way to check if two values are equal and of the same type?

- a) `==`
- b) `===`
- c) `=`
- d) `!=`

Answer: b) `===`

33. What does the `die()` function do?

- a) Outputs a message and terminates the script
- b) Pauses the script
- c) Deletes a variable
- d) Restarts the script

Answer: a) Outputs a message and terminates the script

34. What will `var_dump(null);` output?

- a) `NULL`
- b) `null`
- c) `NULL`
- d) `NULL` (in uppercase)

Answer: a) `NULL`

35. Which function will generate a random number?

- a) `random()`
- b) `rand()`
- c) `generate()`
- d) `randomize()`

Answer: b) `rand()`

36. What will the code below output?

php

```
$x = 5;  
$y = &$x;  
$y = 10;  
echo $x;
```

- a) 5
- b) 10
- c) Error
- d) NULL

Answer: b) 10

(Because \$y is a reference to \$x)

37. Which method is used to access a parent class method in a child class?

- a) `parent::methodName()`
- b) `super::methodName()`
- c) `base::methodName()`
- d) `self::methodName()`

Answer: a) `parent::methodName()`

38. How do you write a multi-line comment in PHP?

- a) `// comment`
- b) `# comment`
- c) `/* comment */`
- d) `<!-- comment -->`

Answer: c) `/* comment */`

39. What will the following print?

```
php

echo true + true;
```

- a) true
- b) 2
- c) 1
- d) Error

Answer: b) 2

(true converts to 1, so 1+1=2)

40. Which PHP function is used to get the current Unix timestamp?

- a) `date()`
- b) `time()`
- c) `timestamp()`
- d) `now()`

Answer: b) `time()`

41. How do you access the first character of a string `$str`?

- a) `$str[0]`
- b) `$str->0`

c) `$str(0)`

d) `$str{0}`

Answer: a) `$str[0]`

42. What is the output?

php

```
echo 5 == '5';
```

a) true

b) false

c) Error

d) 0

Answer: a) true

43. How do you declare a PHP namespace?

a) `namespace MyNamespace;`

b) `using MyNamespace;`

c) `package MyNamespace;`

d) `import MyNamespace;`

Answer: a) `namespace MyNamespace;`

44. Which function converts a string to an integer?

a) `strtoint()`

b) `intval()`

c) `intconvert()`

d) `convertint()`

Answer: b) `intval()`

45. What will be the output?

php

```
echo gettype([]);
```

- a) array
- b) object
- c) NULL
- d) string

Answer: a) array

46. Which keyword is used to declare a variable that belongs to a class?

- a) `var`
- b) `static`
- c) `public`
- d) `const`

Answer: c) `public`

47. What is the output of the following?

php

```
echo 10 % 3;
```

- a) 3
- b) 1
- c) 0
- d) 10

Answer: b) 1

(Modulus operator returns remainder)

48. How do you concatenate strings in PHP?

- a) `$str1 + $str2`
- b) `$str1 . $str2`
- c) `$str1 & $str2`
- d) `$str1 concat $str2`

Answer: b) `$str1 . $str2`

49. Which function will return the last error occurred?

- a) `error_get_last()`
- b) `get_last_error()`
- c) `last_error()`
- d) `error()`

Answer: a) `error_get_last()`

50. What will `empty("0")` return?

- a) true
- b) false
- c) Error
- d) NULL

Answer: a) true

("0" is considered empty in PHP)

If you want, I can provide explanations or advanced PHP MCQs as well!

php MCQs - medium Level (1-50 Questions with Answer)

Here's a set of **50 medium-level PHP MCQs with answers** to help you deepen your understanding beyond basics:

PHP Medium Level MCQs (1-50)

1. Which of the following is the correct way to access the first element of an array `$arr` ?

- a) `$arr(0)`
- b) `$arr[0]`
- c) `$arr->0`
- d) `$arr{0}`

Answer: b) `$arr[0]`

2. What will be the output of the following?

```
php

$a = "5 apples";
$b = $a + 5;
echo $b;
```

- a) 10
- b) 5 apples5
- c) 5
- d) Error

Answer: a) 10

(PHP converts string to number until non-numeric)

3. Which function is used to serialize a PHP value?

- a) `serialize()`
- b) `json_encode()`
- c) `var_export()`
- d) `stringify()`

Answer: a) `serialize()`

4. What is the purpose of `spl_autoload_register()` in PHP?

- a) To register a function to be called for autoloading classes
- b) To start a session automatically
- c) To include files automatically
- d) To optimize memory usage

Answer: a) To register a function to be called for autoloading classes

5. What will `strpos("hello world", "world")` return?

- a) 0
- b) 6
- c) false
- d) 11

Answer: b) 6

(Position of "world" in the string starting at 0)

6. Which keyword is used to define an abstract class?

- a) `abstract`
- b) `interface`
- c) `virtual`
- d) `static`

Answer: a) `abstract`

7. How do you declare a constant inside a class?

- a) `const NAME = "value";`
- b) `define("NAME", "value");`
- c) `static NAME = "value";`
- d) `constant NAME = "value";`

Answer: a) `const NAME = "value";`

8. Which of the following correctly calls a parent class method from a child class?

- a) `parent::methodName();`
- b) `super::methodName();`
- c) `this->parent::methodName();`
- d) `self::methodName();`

Answer: a) `parent::methodName();`

9. How do you declare a type hint for a function parameter that expects an array?

- a) `function foo(array $arr) {}`
- b) `function foo($arr: array) {}`
- c) `function foo(array) {}`
- d) `function foo[$arr] {}`

Answer: a) `function foo(array $arr) {}`

10. What will the following output?

```
php

echo (int) "12.7abc";
```

- a) 12.7
- b) 13
- c) 12
- d) 0

Answer: c) 12

(Casting string to int takes integer part)

11. How can you prevent a class from being inherited?

- a) Declare the class as `final`

- b) Declare the class as `static`
- c) Declare the class as `abstract`
- d) Use `private` keyword on class

Answer: a) Declare the class as `final`

12. What is the result of `var_dump((bool) "0");` ?

- a) `bool(true)`
- b) `bool(false)`
- c) `int(0)`
- d) `string("0")`

Answer: b) `bool(false)`

(The string "0" is false in boolean context)

13. Which method is used to connect to a MySQL database using PDO?

- a) `new PDO($dsn, $username, $password);`
- b) `mysql_connect($dsn, $username, $password);`
- c) `connectPDO($dsn);`
- d) `connect($dsn, $username, $password);`

Answer: a) `new PDO($dsn, $username, $password);`

14. What does the `yield` keyword do in PHP?

- a) Defines a generator to iterate over data lazily
- b) Returns multiple values at once
- c) Stops script execution
- d) Outputs data to the browser

Answer: a) Defines a generator to iterate over data lazily

15. How do you declare an interface in PHP?

- a) `interface MyInterface {}`
- b) `class MyInterface {}`
- c) `abstract MyInterface {}`
- d) `implements MyInterface {}`

Answer: a) `interface MyInterface {}`

16. What happens if you try to access an undefined variable?

- a) PHP throws an error
- b) PHP outputs NULL and a notice
- c) PHP stops execution
- d) PHP automatically creates it

Answer: b) PHP outputs NULL and a notice

17. Which function checks if a key exists in an array?

- a) `array_key_exists()`
- b) `isset()`
- c) `in_array()`
- d) `key_exists()`

Answer: a) `array_key_exists()`

18. What will `get_class_methods('DateTime')` return?

- a) An array of all methods of the DateTime class
- b) The class name
- c) The file where the class is defined
- d) NULL

Answer: a) An array of all methods of the DateTime class

19. Which PHP function would you use to include code from another file and generate a fatal error if the file is missing?

- a) `include()`
- b) `require()`
- c) `include_once()`
- d) `require_once()`

Answer: b) `require()`

20. Which is the correct syntax for an anonymous function?

- a) `function() {}`
- b) `fn() => {}`
- c) `def() {}`
- d) `function name() {}`

Answer: a) `function() {}`

21. How do you declare a typed return value for a function?

- a) `function foo(): int { return 1; }`
- b) `function foo() int { return 1; }`
- c) `function foo() -> int { return 1; }`
- d) `function foo() ->integer { return 1; }`

Answer: a) `function foo(): int { return 1; }`

22. What does the error control operator `@` do in PHP?

- a) Suppresses error messages for an expression
- b) Raises an error
- c) Logs errors
- d) Enables error reporting

Answer: a) Suppresses error messages for an expression

23. How can you prevent SQL Injection in PHP?

- a) Using prepared statements with parameterized queries
- b) Escaping input manually
- c) Using htmlentities()
- d) Using strip_tags()

Answer: a) Using prepared statements with parameterized queries

24. What will be the output?

php

```
$a = [1, 2, 3];  
$b = $a;  
$b[] = 4;  
print_r($a);
```

- a) [1, 2, 3]
- b) [1, 2, 3, 4]
- c) Error
- d) NULL

Answer: a) [1, 2, 3]

(Arrays are copied by value)

25. What is the output?

php

```
echo (true && false) || true ? "Yes" : "No";
```

- a) Yes
- b) No
- c) Error
- d) true

Answer: a) Yes

((true && false) = false; false || true = true; ternary true returns "Yes")

26. Which of these is a magic method in PHP?

- a) `__construct()`
- b) `_start()`
- c) `__init__()`
- d) `__begin()`

Answer: a) `__construct()`

27. What is the default visibility of class properties in PHP?

- a) public
- b) private
- c) protected
- d) static

Answer: a) public

28. Which function converts an array into a query string?

- a) `http_build_query()`
- b) `http_build_array()`
- c) `array_to_query()`
- d) `query_string()`

Answer: a) `http_build_query()`

29. What will be the output?

php

```
echo json_encode(["a" => 1, "b" => 2]);
```

- a) {"a":1,"b":2}
- b) Array
- c) a:1, b:2
- d) Error

Answer: a) {"a":1,"b":2}

30. How do you call a static method `foo` from class `Bar`?

- a) `Bar::foo();`
- b) `$bar->foo();`
- c) `foo::Bar();`
- d) `static::foo();`

Answer: a) `Bar::foo();`

31. Which of these PHP functions checks if a variable is numeric?

- a) `is_numeric()`
- b) `is_int()`
- c) `is_float()`
- d) `is_number()`

Answer: a) `is_numeric()`

32. What does `json_decode()` return by default?

- a) Associative array
- b) Object
- c) String
- d) NULL

Answer: b) Object

33. What will `explode(",", "one,two,three")` return?

- a) Array `["one", "two", "three"]`
- b) String `"one,two,three"`
- c) `"one two three"`
- d) Error

Answer: a) Array `["one", "two", "three"]`

34. What happens if you redeclare a function in PHP?

- a) Fatal error
- b) Warning and override
- c) Ignored
- d) Nothing

Answer: a) Fatal error

35. What is the result of `0 == '0'` ?

- a) true
- b) false
- c) NULL
- d) Error

Answer: a) true

36. What does the `final` keyword do when applied to a method?

- a) Prevents the method from being overridden in child classes
- b) Makes method private
- c) Makes method static
- d) Defines an abstract method

Answer: a) Prevents the method from being overridden in child classes

37. Which PHP function returns the current script's filename?

- a) `__FILE__`
- b) `__DIR__`
- c) `getcwd()`
- d) `filename()`

Answer: a) `__FILE__`

38. What will `is_callable('strlen')` return?

- a) true
- b) false
- c) Error
- d) NULL

Answer: a) true

39. How do you get all headers sent by the client in PHP?

- a) `getallheaders()`
- b) `get_headers()`
- c) `headers_list()`
- d) `header()`

Answer: a) `getallheaders()`

40. Which of the following is a valid PHP magic constant?

- a) `__LINE__`
- b) `__FUNCTION__`
- c) `__CLASS__`
- d) All of the above

Answer: d) All of the above

41. How do you start output buffering?

- a) `ob_start();`
- b) `buffer_start();`
- c) `start_buffer();`
- d) `buffer_on();`

Answer: a) `ob_start();`

42. What is the output of:

php

```
$x = "5 apples";  
$y = (int)$x;  
echo $y;
```

- a) 5
- b) 0
- c) "5 apples"
- d) Error

Answer: a) 5

43. Which operator is used to concatenate strings in PHP?

- a) `+`
- b) `.`
- c) `&`
- d) `concat()`

Answer: b) `.`

44. Which superglobal array contains information about uploaded files?

- a) `$_FILES`
- b) `$_POST`

- c) `$_UPLOAD`
- d) `$_REQUEST`

Answer: a) `$_FILES`

45. How can you declare a nullable type for a function parameter?

- a) `function foo(?int $x) {}`
- b) `function foo(int? $x) {}`
- c) `function foo(int|null $x) {}`
- d) `function foo(null|int $x) {}`

Answer: a) `function foo(?int $x) {}`

46. What does `array_map()` do?

- a) Applies a callback to the elements of an array
- b) Maps keys to values
- c) Filters an array
- d) Sorts an array

Answer: a) Applies a callback to the elements of an array

47. What is the visibility of class members if none is specified?

- a) public
- b) private
- c) protected
- d) static

Answer: a) public

48. Which of the following methods is used to prevent session fixation?

- a) `session_regenerate_id()`
- b) `session_start()`

c) `session_destroy()`

d) `session_reset()`

Answer: a) `session_regenerate_id()`

49. Which function gets the current Unix timestamp?

a) `time()`

b) `date()`

c) `now()`

d) `timestamp()`

Answer: a) `time()`

50. What will this code output?

php

```
echo "5" + "10 little ducks";
```

a) 15

b) 510 little ducks

c) 5

d) Error

Answer: a) 15

If you want me to generate explanations or more questions, just say!

php MCQs - expert Level (1-50 Questions with Answer)

Here's a set of **50 expert-level PHP MCQs with answers** covering advanced topics like OOP, design patterns, PHP internals, performance, security, and more:

PHP Expert Level MCQs (1-50)

1. Which PHP feature allows defining anonymous classes?

- a) Traits
- b) Anonymous functions
- c) Anonymous classes
- d) Interfaces

Answer: c) Anonymous classes

2. In PHP 8, what does the `match` expression return if no case matches and no default is provided?

- a) null
- b) Throws an `UnhandledMatchError` exception
- c) false
- d) empty string

Answer: b) Throws an `UnhandledMatchError` exception

3. Which of the following best describes a Generator in PHP?

- a) A way to execute code in parallel
- b) A function that returns an iterable without building an array
- c) A type of closure
- d) A static class

Answer: b) A function that returns an iterable without building an array

4. What is the output of this code?

```
php
```

```
class A {  
    public function foo() { echo "A"; }  
}  
  
class B extends A {  
    public function foo() { echo "B"; parent::foo(); }  
}  
  
$obj = new B();  
$obj->foo();
```

- a) AB
- b) BA
- c) A
- d) B

Answer: b) BA

5. What PHP 8 feature allows union types?

- a) `|` (pipe) operator in type declarations
- b) `&` (ampersand) operator
- c) `union` keyword
- d) `or` keyword

Answer: a) `|` (pipe) operator in type declarations

6. What does the `__invoke()` magic method do?

- a) Called when an object is treated like a function
- b) Called on object destruction
- c) Called on object cloning
- d) Called on serialization

Answer: a) Called when an object is treated like a function

7. What is the purpose of the `WeakReference` class in PHP 7.4+?

- a) To allow references to objects without preventing garbage collection
- b) To create thread-safe references
- c) To increase reference count
- d) To implement shared memory

Answer: a) To allow references to objects without preventing garbage collection

8. Which of these is NOT a valid visibility modifier in PHP?

- a) public
- b) protected
- c) private
- d) internal

Answer: d) internal

9. Which PHP function can be used to retrieve all declared interfaces in the current script?

- a) `get_declared_interfaces()`
- b) `class_implements()`
- c) `interface_exists()`
- d) `get_interfaces()`

Answer: a) `get_declared_interfaces()`

10. What will be the output of the following code snippet?

```
php
```

```
echo 1 <=> 2;
```

- a) -1
- b) 0
- c) 1
- d) true

Answer: a) -1

(Spaceship operator returns -1, 0, or 1)

11. What is the default value of a typed property in PHP 7.4+ if not initialized?

- a) null
- b) 0
- c) No default, access causes an error
- d) false

Answer: c) No default, access causes an error

12. How can you declare a typed property in PHP 7.4?

- a) `public int $count;`
- b) `int public $count;`
- c) `public $count: int;`
- d) `var int $count;`

Answer: a) `public int $count;`

13. What does `Closure::fromCallable()` do?

- a) Creates a Closure from any callable type
- b) Converts a Closure to string
- c) Clones a Closure
- d) Binds a Closure to a new object

Answer: a) Creates a Closure from any callable type

14. Which design pattern is commonly implemented by PHP's PDO?

- a) Singleton
- b) Factory

c) Adapter

d) Proxy

Answer: c) Adapter

15. What will be the output of this code?

php

```
class Test {  
    public static function foo() {  
        static $count = 0;  
        $count++;  
        echo $count;  
    }  
}  
Test::foo();  
Test::foo();
```

a) 11

b) 12

c) 01

d) 22

Answer: a) 11

(Static variable inside static method retains value)

16. What happens if you call `serialize()` on an object that implements `__sleep()` ?

a) `__sleep()` is called and should return an array of properties to serialize

b) `__sleep()` is ignored

c) An error occurs

d) Serialization is skipped

Answer: a) `__sleep()` is called and should return an array of properties to serialize

17. What is the use of the `#[Attribute]` syntax introduced in PHP 8?

- a) To define custom PHP attributes (annotations)
- b) To define static properties
- c) To comment code
- d) To declare type hints

Answer: a) To define custom PHP attributes (annotations)

18. What does the `nullsafe operator` `?->` do?

- a) Calls a method/property only if the object is not null
- b) Performs a ternary null check
- c) Casts variable to null
- d) Declares nullable types

Answer: a) Calls a method/property only if the object is not null

19. What is the difference between `include` and `require` in PHP?

- a) `require` causes a fatal error if file is missing, `include` only a warning
- b) No difference
- c) `include` causes a fatal error if file missing, `require` only warning
- d) `require` is slower

Answer: a) `require` causes a fatal error if file is missing, `include` only a warning

20. What will happen if you try to extend a `final` class?

- a) Fatal error
- b) Warning and ignore
- c) It works normally
- d) Generates deprecated notice

Answer: a) Fatal error

21. Which PHP function can you use to get the traits used by a class?

- a) `class_uses()`
- b) `get_traits()`
- c) `trait_exists()`
- d) `class_traits()`

Answer: a) `class_uses()`

22. What is the behavior of `declare(strict_types=1);` at the top of a PHP file?

- a) Enforces strict type checking on function arguments and return types
- b) Enables warnings
- c) Turns off type checking
- d) Enables strict error reporting

Answer: a) Enforces strict type checking on function arguments and return types

23. Which PHP function allows you to call a callback with parameters unpacked from an array?

- a) `call_user_func_array()`
- b) `call_user_func()`
- c) `func_call_array()`
- d) `invoke_user_func()`

Answer: a) `call_user_func_array()`

24. How can you create a deep copy of an object in PHP?

- a) Implement `__clone()` and recursively clone properties
- b) Use `clone` keyword alone
- c) Use `serialize()` and `unserialize()`
- d) Both a and c

Answer: d) Both a and c

25. What will this output?

php

```
class A {  
    public function sayHi() {  
        echo static::class;  
    }  
}  
  
class B extends A {}  
  
$obj = new B();  
$obj->sayHi();
```

- a) A
- b) B
- c) Error
- d) Nothing

Answer: b) B

(Late static binding)

26. What does the `session_set_save_handler()` function do?

- a) Sets custom handlers for session storage
- b) Starts a session
- c) Destroys a session
- d) Regenerates session ID

Answer: a) Sets custom handlers for session storage

27. What is the difference between `empty()` and `isset()` ?

- a) `empty()` returns true for "", 0, null, false, unset; `isset()` returns false only if variable is unset or null
- b) They are same
- c) `isset()` checks for empty string too
- d) `empty()` checks if variable is set

Answer: a) `empty()` returns true for "", 0, null, false, unset; `isset()` returns false only if variable is unset or null

28. What does the `fflush()` function do?

- a) Flushes the output buffer to the browser
- b) Flushes the file buffer to disk
- c) Clears a variable
- d) Closes a file handle

Answer: b) Flushes the file buffer to disk

29. What does the `pcntl_fork()` function do?

- a) Creates a child process (available only on Unix-like OS)
- b) Clones an object
- c) Starts a PHP thread
- d) Forks an array

Answer: a) Creates a child process (available only on Unix-like OS)

30. How can you prevent a function from being overridden in child classes?

- a) Declare it as `final`
- b) Declare it as `private`
- c) Declare it as `static`
- d) It is impossible

Answer: a) Declare it as `final`

31. What is the behavior of `yield from` in generators?

- a) Delegates part of generator execution to another iterable
- b) Ends the generator

- c) Converts generator to array
- d) Creates an infinite loop

Answer: a) Delegates part of generator execution to another iterable

32. Which PHP function can you use to dynamically include code only once?

- a) `require_once()`
- b) `include_once()`
- c) Both a and b
- d) `include()`

Answer: c) Both a and b

33. What is the output of the following?

php

```
var_dump(str_contains("PHP is awesome", "is"));
```

- a) true
- b) false
- c) Error
- d) null

Answer: a) true

(str_contains is available PHP 8+)

34. How can you mark a class as implementing multiple interfaces?

- a) `class MyClass implements Interface1, Interface2 {}`
- b) `class MyClass extends Interface1, Interface2 {}`
- c) `class MyClass interface Interface1 & Interface2 {}`
- d) `class MyClass implements Interface1 & Interface2 {}`

Answer: a) `class MyClass implements Interface1, Interface2 {}`

35. What does the `ReflectionClass` class allow you to do?

- a) Inspect class properties, methods, and metadata at runtime
- b) Create new classes dynamically
- c) Serialize objects
- d) Cache classes

Answer: a) Inspect class properties, methods, and metadata at runtime

36. Which of the following PHP functions can be used to parse an INI file?

- a) `parse_ini_file()`
- b) `parse_ini()`
- c) `ini_parse()`
- d) `parse_ini_string()`

Answer: a) `parse_ini_file()`

37. Which of these is NOT a valid PHP type?

- a) callable
- b) iterable
- c) static
- d) float64

Answer: d) float64

38. What is the output of:

```
php
echo gettype((object) null);
```

- a) object
- b) NULL

c) stdClass

d) error

Answer: a) object

39. What will this code output?

php

```
echo count(null);
```

a) 0

b) Error

c) 1

d) NULL

Answer: a) 0

40. What is the benefit of the `opcache` extension in PHP?

a) Improves performance by caching precompiled bytecode

b) Provides encryption

c) Enables debugging

d) Manages memory leaks

Answer: a) Improves performance by caching precompiled bytecode

41. What is the role of the `declare(ticks=1)` directive?

a) Enables tick handling for every statement executed

b) Sets a timeout for scripts

c) Declares strict types

d) Enables error reporting

Answer: a) Enables tick handling for every statement executed

42. Which of the following methods can be used to retrieve an environment variable?

- a) `getenv()`
- b) `$_ENV` superglobal
- c) `$_SERVER` superglobal
- d) All of the above

Answer: d) All of the above

43. What will the following code print?

php

```
$a = 1;  
$b = &$a;  
$b = 2;  
echo $a;
```

- a) 1
- b) 2
- c) null
- d) error

Answer: b) 2

44. Which PHP function checks if a variable is iterable?

- a) `is_iterable()`
- b) `is_array()`
- c) `is_object()`
- d) `is_list()`

Answer: a) `is_iterable()`

45. Which PHP function can be used to disable error reporting temporarily?

- a) `error_reporting(0)`

- b) `set_error_handler(null)`
- c) `ini_set('display_errors', 0)`
- d) All of the above

Answer: d) All of the above

46. Which PHP function can be used to create a temporary file?

- a) `tmpfile()`
- b) `tempfile()`
- c) `tempnam()`
- d) Both a and c

Answer: d) Both a and c

47. How would you declare a method that must be implemented by any child class?

- a) Abstract method in an abstract class
- b) Final method
- c) Static method
- d) Private method

Answer: a) Abstract method in an abstract class

48. What does the `yield` keyword return from a generator function?

- a) A value to the caller and suspends execution
- b) Immediately returns a value and terminates the function
- c) Calls the generator recursively
- d) Returns a promise

Answer: a) A value to the caller and suspends execution

49. How do you type hint a function parameter to accept only objects that implement multiple interfaces?

- a) Declare with union types: `function foo(Interface1|Interface2 $obj)`
- b) Declare with intersection types (PHP 8.1+): `function foo(Interface1&Interface2 $obj)`
- c) Use multiple parameters
- d) Impossible in PHP

Answer: b) Declare with intersection types (PHP 8.1+): `function foo(Interface1&Interface2 $obj)`

50. Which function can you use to get the version of the currently running PHP?

- a) `phpversion()`
- b) `get_php_version()`
- c) `php_info()`
- d) `version()`

Answer: a) `phpversion()`

If you want detailed explanations or more advanced topics (like PHP internals, JIT, etc.), just ask!