

◆ SECTION 1: Working with Functions, Arrays and Objects

1. What is a function in PHP?

Answer:

A function is a block of code that performs a specific task and can be reused.

2. How do you define a function in PHP?

```
function greet() {  
    echo "Hello!";  
}
```

3. How do you call a function?

```
greet();
```

4. What are user-defined functions?

Answer:

Functions created by the programmer, not built into PHP.

5. How do you return a value from a function?

```
function add($a, $b) {  
    return $a + $b;  
}
```

6. What is variable scope in PHP?

Answer:

The area where a variable is accessible:

- Local
- Global
- Static

7. What is the use of the `global` keyword?

Answer:

Allows access to global variables inside a function.

8. What is the `arguments` list in a function?

Answer:

Values passed to the function when calling it.

Example:

```
function info($name) { echo $name; }
```

9. How to test if a function exists?

```
function_exists("greet");
```

10. What is an array in PHP?

Answer:

A data structure used to store multiple values in one variable.

11. Types of arrays in PHP?

- **Indexed array**
- **Associative array**
- **Multidimensional array**

12. How to create an array?

```
$arr = array(1, 2, 3);  
$names = ["Amit", "Rita"];
```

13. What are some array functions in PHP?

- `count()`
- `sort()`

- array_merge()
- array_push()
- in_array()
- array_keys()
- explode()
- implode()

14. What is an object in PHP?

Answer:

An object is an instance of a class containing variables (properties) and functions (methods).

15. How do you create a class and object in PHP?

```
class Student {  
    public $name;  
    function display(){  
        echo $this->name;  
    }  
}  
  
$obj = new Student();  
$obj->name = "Amit";  
$obj->display();
```

◆ SECTION 2: Working with Strings, Date and Time

16. How do you format strings in PHP?

Using:

- Concatenation (.)
- printf()
- sprintf()
- str_pad()

17. What are string investigation functions?

Functions used to inspect strings:

- `strlen()` – length
- `strpos()` – find position
- `substr()` – extract string
- `strcmp()` – compare strings

18. What is string manipulation?

Changing or modifying strings using:

- `str_replace()`
- `substr()`
- `trim()`
- `strtolower()`
- `strtoupper()`

19. How do you split and join strings?

```
explode(" ", $str); // split  
implode("-", $array); // join
```

20. How do you get current date/time in PHP?

```
echo date("Y-m-d H:i:s");
```

21. What are commonly used date functions in PHP?

- `date()`
- `time()`
- `strtotime()`
- `mktime()`
- `getdate()`

22. How do you format date/time in PHP?

```
echo date("d-m-Y");  
echo date("l, F j, Y");
```

23. What does `strtotime()` do?

Answer:

Converts a date string (like "next Monday") into a timestamp.

24. How do you add days to a date in PHP?

```
echo date('Y-m-d', strtotime('+5 days'));
```

25. What are some other useful date/time functions?

- `date_default_timezone_set()`
- `checkdate()`
- `microtime()`
- `gdate()`