PHP Interview Questions asked by Infosys Company

Topics : PHP Interview Questions
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1. Question: What is the significance of the Spaceship Operator (<=>) introduced in PHP 7?

Answer: The Spaceship Operator is used for combined comparison. It returns 0 if both operands are equal, 1 if the left operand is greater, and -1 if the right operand is greater. It's often used for sorting.

$result = $a <=> $b; // 0 if $a equals $b, 1 if $a > $b, -1 if $a < $b

2. Question: Explain the use of the Null Coalescing Operator (??) in PHP 7.

Answer: The Null Coalescing Operator is used to check if a variable is set and not null. It returns the first operand if it exists and is not null; otherwise, it returns the second operand.

$value = $variable ?? "default";

3. Question: What are traits in PHP, and how are they different from classes?

Answer: Traits are similar to classes, but they are intended to group functionality in a fine-grained and consistent way. A class can use multiple traits, and they are intended to group functionality in a fine-grained and consistent way, unlike classes that support single inheritance.

4. Question: How can you secure your PHP sessions against session hijacking?

Answer: To secure PHP sessions against session hijacking, you can:

- Use secure session handling functions.
- Regenerate session IDs periodically.
- Store session data on the server-side.
- Use HTTPS to encrypt data transmission.

5. Question: Explain the concept of type hinting in PHP.

Answer: Type hinting is a way to declare the type of data a function should receive or return. It helps in enforcing strong typing and improves code clarity. For example:

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

. Question: What is PSR, and why is it important in PHP development?

Answer: PSR (PHP Standard Recommendation) is a set of standards defined by the PHP Framework Interop Group (PHP-FIG) to enhance interoperability between PHP frameworks. Adhering to PSR ensures consistency and compatibility between different PHP projects.

7. Question: Explain the concept of dependency injection in PHP.

Answer: Dependency injection is a design pattern where the dependencies of a class are injected from the outside rather than created within the class. It helps in achieving loose coupling, making the code more modular and testable.

8. Question: How can you handle file uploads in PHP securely?

Answer: To handle file uploads securely in PHP, you should:

- Use the `move_uploaded_file` function to move files to a secure directory.
- Validate file types and sizes on the server-side.
- Generate unique filenames to prevent overwriting.

9. Question: What is the use of the `yield` keyword in PHP?

Answer: The `yield` keyword is used in PHP for implementing generators. Generators allow you to iterate through a set of data without needing to create an array in memory, which can be more memory-efficient.

10. Question: Explain the concepts of late static binding in PHP.

Answer: Late static binding allows static methods to reference the calling class using the `static` keyword. This helps in achieving polymorphism and makes it easier to override static methods in child classes.