1. What is the current version of PHP?

Answer:
The latest stable version changes often. As of 2024–2025, PHP **8.x** is the widely used version. (Exact version depends on system updates.)

2. What is the current version of MySQL?

Answer:
MySQL versions generally fall in the **8.x** series (e.g., MySQL 8.0.3+).

3. What is XAMPP?

Answer:
XAMPP is a free and open-source package that includes:

- **X** – Cross platform
- **A** – Apache
- **M** – MySQL/MariaDB
- **P** – PHP
- **P** – Perl

It provides a local server environment for PHP development.

4. What are the components of XAMPP?

Answer:

- Apache server
- MySQL/MariaDB
- PHP
- phpMyAdmin
- FileZilla FTP server
- Mercury Mail etc.

5. Where is the Apache log file located in XAMPP?

Answer:
`xampp/apache/logs/error.log`

6. What is the PHP.INI file?

Answer:
php.ini is the main configuration file for PHP. It controls features like:

- File upload limits
- Max execution time
- Error reporting
- Extensions
- Timezone settings

7. Where is php.ini located in XAMPP?

Answer:
```
xampp/php/php.ini
```

8. How do you check PHP version using script?

```php
<?php
phpinfo();
?>
```

9. What is the use of phpinfo()?

Answer:
It displays PHP configuration details such as installed modules, version, server info, and environment settings.

10. How do you write a basic PHP script?

```php
<?php
echo "Hello PHP!";
?>
```

✔ PHP Overview, Flow Control and Building Blocks

11. What are variables in PHP?

Answer:
Containers to store data. They start with `$` sign.
Example: `$name = "Amit";`

12. What are PHP data types?

- String
- Integer
- Float
- Boolean
- Array
- Object
- NULL
- Resource

13. What are PHP constants?

Answer:
Values that cannot be changed once defined.
Example:

```
define("PI", 3.14);
```

14. What are operators in PHP?

Answer:
Symbols used to perform operations.
Types: Arithmetic, Assignment, Comparison, Logical, String, Increment/Decrement.

15. What is an expression?

Answer:
A combination of variables, values, and operators that produces a result.

16. What is flow control in PHP?

Answer:
Statements that control program execution flow:

- if
- if..else
- elseif
- switch
- loops

17. What is a switch statement?

Answer:
Used to test one variable for many conditions.

18. What are loops in PHP?

- `for`
- `while`
- `do...while`
- `foreach`

They repeat code multiple times.

19. What are code blocks?

Answer:
Groups of statements wrapped inside `{ }`.

20. How do you output content to the browser in PHP?

Answer:
Using:

- `echo`
- `print`
- `var_dump()`
- `print_r()`

21. What are comments in PHP?

Answer:
Used to explain code and make it readable.

```
// single line
/* multi-line */
```

22. Difference between include and require?

include	require
Gives a warning if file not found	Gives a fatal error
Script continues	Script stops

23. What is include_once()?

Answer:
Includes the file only **once**, avoiding duplication.

24. Why do we use require_once()?

Answer:
To include mandatory files only once (like database connection scripts).

25. Why do developers prefer XAMPP for PHP?

Answer:

- Easy installation
- Everything pre-configured
- Beginner-friendly
- Cross-platform
- Includes phpMyAdmin for database access