

QB365 Question Bank Software Study Materials

PHP: Hypertext Preprocessor Important 2 Marks Questions With Answers (Book Back and Creative)

12th Standard

Computer Applications

Total Marks : 60

2 Marks

30 x 2 = 60

1) What is PHP?

Answer : PHP is a server-side scripting language, which means that the code is executed on the server rather than in the user's browser. It is widely used for web development.

2) What is a dynamic web page?

Answer : i) A dynamic web page is a page whose content can change each time it is viewed.
ii) It is particularly well-suited for creating database-driven websites, because it can be used to interact with databases in a very efficient way.

3) What are the different types of comments in PHP. Give an example.

Answer : There are two types of comments in PHP: single- line comment and multi-line comments.
To add a single line comment to our code, we precede the comment with # or //.

Examples:

```
#This is a comment
```

```
// This is also a comment
```

To add multiple lines comment, we enclose the comment in /*...*/.

Examples:

```
/*This is an example of a  
multi-line comment. */
```

4) List out any four operators in PHP.

Answer : The types of operators in PHP are

i) Arithmetic operators

ii) Assignment operators

iii) Comparison operators.

iv) Logical operators

v) Increment/decrement operators

vi) String operators

5) What is 'Echo' statement used for? Give an example.

Answer : In PHP the echo statement is used to output a string or other data to the screen. It is a simple and efficient way to display information to the user. The echo statement can be used in several different ways
To output a single string (String values must be enclosed in single or double quotes.)

Examples:

```
echo 'Hello world!';
```

To output multiple strings, separated by commas:

Examples:

```
echo "Hello, world!";
```

To output the value of a variable:

Examples:

```
name = " Kumar "; echo " Mynameisname";
```

To output the result of an expression.

Examples:

```
x = 10; y = 20; echo x + y;
```

```
// Outputs '30'
```

To output multiple variables in the same echo statement, you can separate them with a comma.

Examples:

```
echo x,y, $z;
```

To concatenate (join) multiple strings together, you can use the concatenation operator (.).

Examples:

```
name =" Mani ";echo " Mynameis ".name;
```

To print multiple lines of text, you can use multiple echo statements.

Examples:

```
echo 'This string has multiple';
```

```
echo 'lines';
```

To output a string of text that contains a single quote, you can use double quotes to enclose the string.

Examples:

```
echo "It's a nice day today.";
```

6) What are the common usages of PHP?

Answer : (i) PHP can be easily embed with HTML and other client side scripting language like CSS [cascading style sheets) and Java scripts.

(ii) It also creates dynamic and interactive webpages in the real time Web development projects.

(iii) It is competitor of ASP and JSP.

(iv) 78.9% of websites are developed by PHP.

7) Difference between Client and Server?

Answer :

CLIENT	SERVER
(i) A client machine is a small computer with a basic hardware configuration.	A server machine is a high-end computer with an advanced hardware configuration.
(ii) A client is a simple and less powerful machine.	A server is a powerful expensive machine.
(iii) A client is used for simple tasks.	A server is used for storing huge data files and applications.

8) What is URL?

Answer : Uniform Resource Locator (URL), refers the address of a specific web page or file on the internet.

9) How to declare variables in PHP?

Answer : (i) Variable name must always begin with a \$ symbol.

(ii) Variable name can not start with a number.

(iii) Variable names are case-sensitive. Eg. \$a = 6;

10) Define Client Server Architecture.

Answer : A server is a computer or a device that provides functionality for other programs or devices, called "clients". This architecture is called the client server model, and a single overall computation is distributed across multiple processes or devices.

11) Define Webserver.

Answer : A server is a computer or a device that provides functionalities for other programs of devices called "Client".

12) What is the purpose of Var_dump() function?

Answer : (i) The var_dump() function is used to dump information about a variable.

(ii) This function displays structured information such as type and value of the given variable.

13) Classification of Client Server Architecture Model

Answer : Client server Architecture is classified into three types, as follows

- (i) Single Tier Architecture
- (ii) Two Tier-Architecture
- (iii) N/Mult/Three tier architecture.

14) Write the type of PHP syntax are available?

Answer : Three types of PHP Syntax are available.

They are as follows

- 1. Default Syntax
- 2. Short open tags
- 3. HTML Script embed Tags

15) What is called PHP?

Answer : PHP is a fundamental part of any dynamic web page.

16) What does PHP stood and stands for?

- Answer :**
- 1. PHP stood for personal Home page
 - 2. PHP stands for Hypertext Preprocessor.

17) List out the competitor of PHP server side scripting languages.

- Answer :**
- 1. ASP (Active Server Page)
 - 2. JSP (Java Server Page).

18) How can be executed PHP scripting language?

Answer : PHP scripting language can be executed via an interpreter which is installed in the web servers or C [Common Gateway Interface].

19) List out the web servers which supports the PHP interpreter module?

Answer : Web servers such as Apache Tomcat, Microsoft IIS [Internet Information Server] supports the PHP interpreter module.

20) Where does the server side scripting language work?

Answer : Most of the server side scripting languages are working on any one of the client server architecture model. [Single Tier (or) Two Tier (or) Multi Tier].

21) Mention some of the open source web server.

Answer : Tomcat Apache, Nginx etc.

22) Where did the entire website codes move to?

Answer : The entire website codes are moved to web server path in a remote server machine.

23) How many types of PHP syntax are available? What are they?

Answer : There are three types of PHP syntax are available. They are as follows.

- (i) Default Syntax
- (ii) Short Open Tags
- (iii) HTML Script Embed Tags.

24) How can you declare variable in PHP?

- Answer :**
- (i) Variables in PHP begins with a dollar (\$) symbol.
 - (ii) Assignment activity implemented using "=" operator.
 - (iii) The statement ends with semicolon ";" Semicolon indicates the end of statement.

25) What does the pre-defined function var_dump ()?

Answer : It returns structured information [(i.e.) type and value] about variable in PHP.

26) Define PHP Boolean data type and give example.

Answer : Boolean data type denotes the possible two states, TRUE or FALSE.

Example:

```
< ?php
x = true;y = false;
echo $x;
echo $y;
? >
```

27) Define NULL data type in PHP.

Answer : NULL is a special data type which contains a single value : NULL.

28) What is Static Web Page?

Answer : A static web page is a page that has fixed content that does not change, unless it is manually updated by the web developer. The content on a static web page is the same every time it is viewed.

29) What is the use of logical operators?

Answer : Logical operators are used to perform logical operations on variables and values.

30) How many types of Syntax are available in PHP.

Answer : Three types of PHP Syntax are available. They are as follows

- (i) Default Syntax
- (ii) Short open Tags
- (iii) HTML Script embed Tags