

## ASSESSMENT

CLASS: IT B

**RE:21RP07524**

**1: PHP:** is a widely-used, open source scripting language. PHP scripts are executed on the server. PHP is free to download and use.

**2: why we need php programming**

- ❖ PHP can actually do anything related to server-side scripting.
- ❖ Large choice of available specialists .
- ❖ PHP is that it is platform independent.
- ❖ can be used on Mac OS, Windows, Linux and supports most web sides.
- ❖ **It is used to enhance web pages.** With PHP, you can do things like create username and password etc.
- ❖ **Free to download and easy to use.**

**3: last version of php**

PHP 8.1, released in 2021 released in 8 December.

**4: new A release** is the distribution of the final version or the newest version of a software application.

**Static analysis**, also called static code analysis, is a **method of computer program debugging**.

**5: features of php**

1. **Open source:** available on the internet for free.
2. **Popularity:** php is at least the most popular open-source server-side scripting language.
3. **Performance:** php is typically the fastest server-side script language.
4. **Database connectivity**
5. **Platform independent:** php runs on various OS including **Linux**, UNIX, windows and **mac osx**. It also runs with major we servers including **apache** and **iis**

6: a letter is a-z, A-Z, and the bytes from 128 through 255 ( 0x80-0xff ). Note: \$this is a special variable that can't be assigned.

Ex: \$ name: fafa(){

Call it \$NAME (fafa) ;\ it can't work

}

7: **comment** in php code writing we use it in case use write something many time or u don't want that what u write to be read by machine you make it comment inside of delete it.

Comment have two type: **one-line and multi-line comments**. A one-line comment starts with the # or // . **A multi-line comment starts with /\* and end with \*/** .

Ex: html{

<body>

//form action=" " ,method="post "; .....// comment

<body>

Html

8:,

- **echo** has no return value while **print** has a return value of 1 so it can be used in expressions.

**echo** is marginally faster than **print**.

- **Print() printf()**: print is a construct, it returns TRUE on successful output and FALSE if there is no output. Printf() is a function, and not to be used as a construct. It allows string output to be formatted. It is the slowest medium to print the data out.
- **Printf() print-r()**:The printf( ) function builds a formatted string by inserting values into a template. The print\_r( ) function is useful for debugging—it prints the contents of arrays, objects, and other things, in a more-or-less human-readable form.
- **Print-r)var-dump**: The var\_dump() function displays structured information about variables/expressions including its type and value.

9: **scalar**

- **String**: refers to a series of characters.
- **Integer**: An integer is a number without any decimal part.
- **Float**: A float is a number with a decimal point and can be extended to exponential form.
- **Boolean**: Can hold numbers containing fractional or decimal parts including positive and negative numbers or a number in exponential form

### **compound**

- **Array**: is a special variable that we use to store or hold more than one value in a single variable without having to create more variables to store those values.
- **Object**: is an individual instance of the data structure defined by a class.

## Special data type

- **NULL:** These are special types of variables that can hold only one value
- **Resource:** Resources in PHP are not an exact data type. These are basically used to store references to some function call or to external PHP resources.

10: **php variable:** are characters that stores value or information such as text or integers in your code.

- A variable starts with the **\$** sign, followed by the name of the variable
- A variable name must start with a letter or the underscore character
- A variable name cannot start with a number
- A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and **\_** )
- Variable names are case-sensitive (**\$age** and **\$AGE** are two different variables)

### 11: **super global variable**

- **\$GLOBALS:** is a PHP super global variable which is used to access global variables from anywhere in the PHP script (also from within functions or methods).
- **\$\_SERVER:** is a PHP super global variable which holds information about headers, paths, and script locations.
- **\$\_REQUEST:** is a PHP super global variable which is used to collect data after submitting an HTML form.
- **\$\_POST:** is a PHP super global variable which is used to collect form data after submitting an HTML form with method="post". **\$\_POST** is also widely used to pass variables.
- **\$\_GET:** is a PHP super global variable which is used to collect form data after submitting an HTML form with method="get".
- **\$\_FILES:** is an associative array containing items uploaded via http post method
- **\$\_ENV:** it stores environment variable to current script.
- **\$\_COOKIE:** is used to retrieve a cookies value sent by the browser in the current request, keyed by cookie name.
- **\$\_SESSION:** is an associative array that contains all session variables.

## References

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