

SES'S L.S.RAHEJA COLLEGE OF ARTS AND COMMERCE

Course: Web Programming

Unit: IV

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PHP(HyperText Preprocessor):

- PHP is an acronym for "PHP: Hypertext Preprocessor"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server
- PHP is free to download and use

What Can PHP Do?

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

Example:

```
<!DOCTYPE html>
<html>
<body>
<?php
echo "My first PHP script!";
?>
</body>
</html>
```

PHP Statements:

Keyword	Description
break	Terminates a switch or a loop
continue	Jumps out of a loop and starts at the top
do ... while	Executes a block of statements, and repeats the block, while a condition is true

for	Marks a block of statements to be executed, as long as a condition is true
function	Declares a function
if ... else	Marks a block of statements to be executed, depending on a condition
return	Exits a function
switch	Marks a block of statements to be executed, depending on different cases
try ... catch	Implements error handling to a block of statements
var	Declares a variable

PHP Forms:

```
<html>
<body>

<form action="welcome.php" method="post">
Name: <input type="text" name="name"><br>
E-mail: <input type="text" name="email"><br>
<input type="submit">
</form>

</body>
</html>
```

Form Validation:

Field	Validation Rules
Name	Required. + Must only contain letters and whitespace
E-mail	Required. + Must contain a valid email address (with @ and .)

Website	Optional. If present, it must contain a valid URL
Comment	Optional. Multi-line input field (textarea)
Gender	Required. Must select one
Field	Validation Rules

PHP Operators

- **Arithmetic Operators**
 - Addition
 - Subtraction
 - Division
 - Multiplication
 - Increment
 - Decrement
- **Comparison Operators**
 - Equal
 - Not equal
 - Greater than
 - Less than
- **Logical (or Relational) Operators**
 - AND
 - OR
 - NOT
- **Assignment Operators**
 - Simple and Assignment
 - Add and Assignment
 - Subtract and Assignment
 - Multiply and Assignment
- **Conditional (or ternary) Operators**

Array

An array is a special variable, which can hold more than one value at a time.

Example

```
<script>
```

```
var cars = ["Saab", "Volvo", "BMW"];
```

```
document.getElementById("demo").innerHTML = cars;
```

</script>

PHP File Handling:

- File open/read/close
- Readfile()
- Date
- Fwrite()

cookies:

A cookie is often used to identify a user. A cookie is a small file that the server embeds on the user's computer. Each time the same computer requests a page with a browser, it will send the cookie too. With PHP, you can both create and retrieve cookie values.

Session:

When you work with an application, you open it, do some changes, and then you close it. This is much like a Session. The computer knows who you are. It knows when you start the application and when you end. But on the internet there is one problem: the web server does not know who you are or what you do, because the HTTP address doesn't maintain state.

NOTE: THESE POINTS ARE INDICATIVE AND NOT EXHAUSTIVE. PLEASE ELLABORATE THE ANSWERS WITH PROPER EXAMPLES WHEREVER APPLICABLE.

Write answers for following

- 1 Write a note on php.
- 2 Explain for while with example.
- 3 Explain if with example.
- 4 Explain switch.. case with example.
- 5 Explain do..while loop with example.
- 6 Explain following operators with example.
 - i. Arithmetic
 - ii. Logical
 - iii. Comparison
 - iv. Assignment
 - v. Conditional
- 7 Explain array with the help of suitable example.
- 8 Explain cookies with example.
- 9 Explain session with example.