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Class: SE Comps

Batch: C

Experiment No 6

Aim:

To create a basic poll system using server-side scripting language PHP and a MySQL database for storing the poll results.

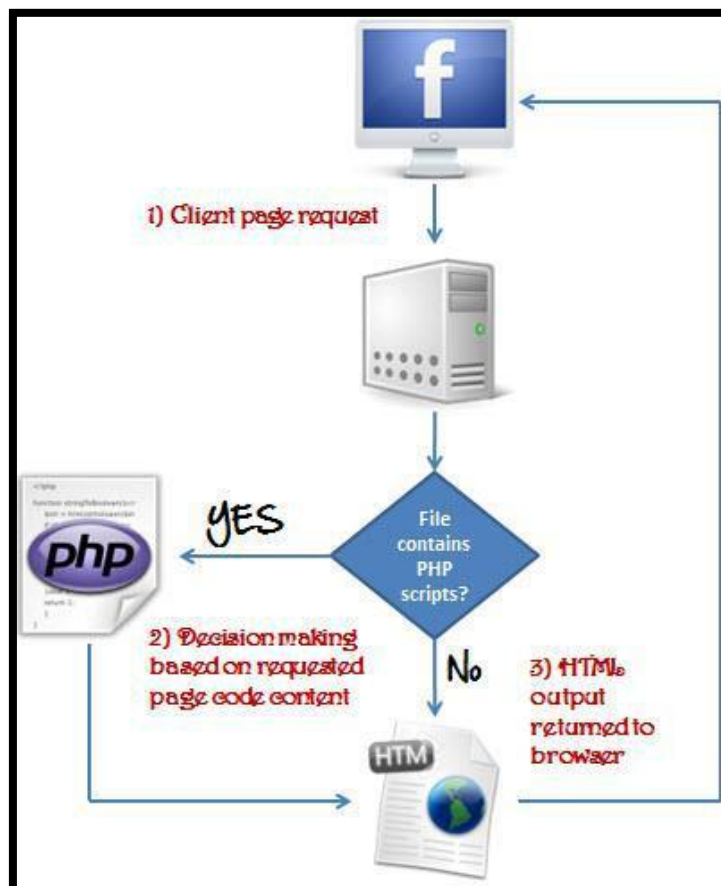
Theory:

What is PHP?

PHP is a server-side scripting language. that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages. PHP scripts can only be interpreted on a server that has PHP installed. The client computers accessing the PHP scripts require a web browser only.

A PHP file contains PHP tags and ends with the extension ".php".

Architecture of a PHP Application



PHP Hello world

```
<!DOCTYPE html>

<html>
<body>

<?php

echo "My first PHP script!";

?>

</body>
</html>
```

Why use PHP?

You have obviously heard of a number of programming languages out there; you may be wondering why we would want to use PHP as our poison for the web programming. Below are some of the compelling reasons.

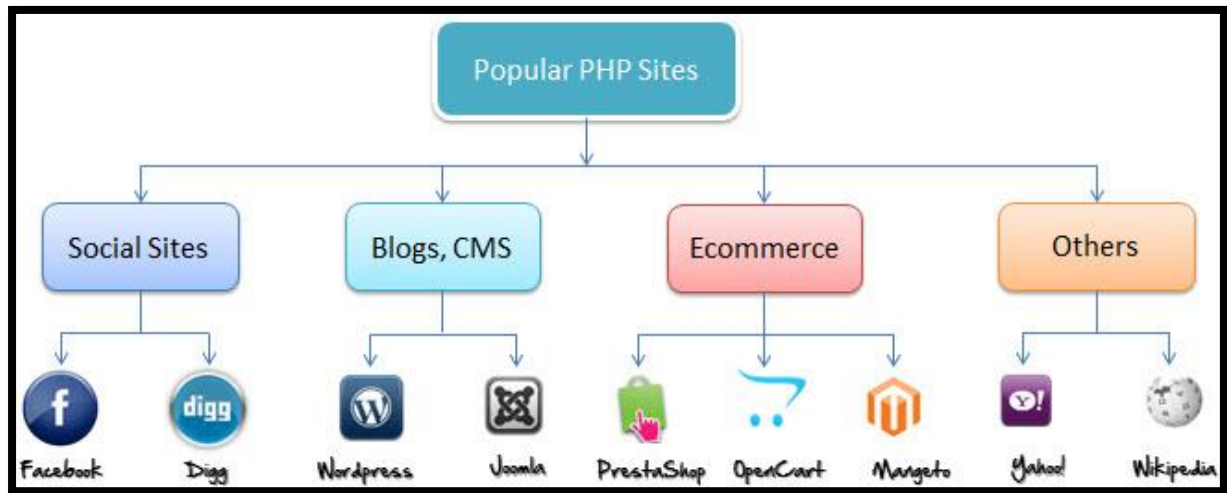
- PHP is **open source and free**.
- Short learning curve compared to other languages such as JSP, ASP etc.
- Large community document
- Most web hosting servers support PHP by default unlike other languages such as ASP that need IIS. This makes PHP a cost effective choice.
- PHP is regularly updated to keep abreast with the latest technology trends.
- Other benefit that you get with PHP is that it's a **server side scripting language**; this means you only need to install it on the server and client computers requesting for resources from the server do not need to have PHP installed; only a web browser would be enough.
- PHP has **in built support for working hand in hand with MySQL**; this doesn't mean you can't use PHP with other database management systems. You can still use PHP with
 - Postgres
 - Oracle
 - MS SQL Server
 - ODBC etc.
- PHP is **cross platform**; this means you can deploy your application on a number of different operating systems such as windows, Linux, Mac OS etc.

What is PHP used for & Market share

In terms of market share, there are over 20 million websites and application on the internet developed using PHP scripting language.

This may be attributed to the points raised above;

The diagram below shows some of the popular sites that use PHP



Code:

Index.php

```
<!DOCTYPE html>
<html>
<head>
  <title>Survey</title>
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js">
</script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js">
</script>
</head>
<body>
<div align="center">

  <h1 style="font-family:verdan;">Survey Form</h1>
  <p style="color:red; font-family:Courier; font-size:500%;">Select your favourite Fruit</p>
</div>
</div>
<div align="left">
  <form action="survey.php" method="post">
  <p style="font-family: sans-serif;"><b><i> Please Select your choice:</i></b></p><br>
  <input type="radio" name="fruit" id="Kiwi" value="1">
<label for="Kiwi">Kiwi</label><br><br>
  <input type="radio" name="fruit" id="Mango" value="2">
<label for="Mango"> Mango</label><br><br>
  <input type="radio" name="fruit" id="Apple" value="3">
<label for="Apple">Apple</label><br><br>
  <input type="radio" name="fruit" id="Grapes" value="4">
<label for="Grapes">Grapes</label><br><br>
  <input type="radio" name="fruit" id="Chiku" value="5">
<label for="Chiku">Chiku</label><br><br>
  <input type="radio" name="fruit" id="Pineapple" value="6">
<label for="Pineapple">Pineapple</label><br><br>
  <input type="radio" name="fruit" id="Banana" value="7">
<label for="Banana">Banana</label><br><br>
  <input type="radio" name="fruit" id="Watermelon" value="8">
<label for="Watermelon"> Watermelon</label><br><br>
  <input type="radio" name="fruit" id="Jackfruit" value="9">
<label for="Jackfruit">Jackfruit</label><br><br>
  <input type="radio" name="fruit" id="Orange" value="10">
<label for="Orange">Orange</label><br><br>
  <input type="radio" name="fruit" id="Peach" value="11">
```

```

<label for="Peach">Peach</label><br><br>
<input type="radio" name="fruit" id="Pomegranate" value="12">
<label for="Pomegranate">Pomegranate</label><br><br>
<button type="submit" class="btn btn-primary">Submit</button>
</form>
</div>
<script type="text/javascript">
if ($('#input[type=radio]:checked').length <= 0) {
    alert("No option selected!")
}
</script>
</body>
</html>

```

Poll.php

```

<!DOCTYPE html>
<html>
<head>
<title>Result</title>

<link rel="stylesheet"href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js">
</script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js">
</script>
</head>
<body>

<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "Vishalsalvi";
$conn = new mysqli($servername, $username, $password, $dbname);

if (isset($_POST['fruit'])) {
    mysqli_query($conn,'UPDATE `survey` SET Votes = Votes + 1 WHERE ID = ' . $_POST[
'fruit'] );
}

$sql = "SELECT * FROM survey";
$result = $conn->query($sql);
?>

<h1 align="center">Thank you!!</h1><br>
<h2 align="center">Favourite Fruits Poll </h2><br>

```

```

<?php
    if ($result->num_rows > 0) {
        ?>
        <div align="center">
            <table class="table table-dark" style="width: 80%;">
                <tr>
                    <th scope="col">ID</th>
                    <th scope="col">Name</th>
                    <th scope="col">Votes</th>
                </tr>
                <?php
                while($row = $result->fetch_assoc()) { ?>
                    <tr>
                        <th scope="row"><?php echo $row["ID"];?></th>
                        <td><?php echo $row["Name"];?></td>
                        <td><?php echo $row["Votes"];?></td>
                    </tr>
                <?php }
                ?> </table>
            </div><?php
        } else {
            echo "0 results";
        }
    ?>

</body>
</html>

```

Output:

Survey Form

Select your favourite Fruit

Please Select your choice

- ☐ Kiwi
- ☐ Mango
- ☐ Apple
- ☐ Grapes
- ☐ Chiku
- ☐ Pineapple
- ☐ Banana
- ☐ Watermelon
- ☐ Jackfruit
- ☐ Orange
- ☐ Peach
- ☐ Pomegranate

Submit

Survey Form

Select your favourite Fruit

Please Select your choice:





































- ☐ Kiwi
- ☐ Mango
- ☐ Apple
- ☐ Grapes
- ☐ Chiku
- ☒ Pineapple
- ☐ Banana
- ☐ Watermelon
- ☐ Jackfruit
- ☐ Orange
- ☐ Peach
- ☐ Pomegranate

Thank you!!

Favourite Fruits Poll

ID	Name	Votes
1	Kiwi	15
2	Mango	7
3	Apple	4
4	Grapes	6
5	Chiku	3
6	Pineapple	9
7	Banana	1
8	Watermelon	6
9	Jackfruit	4
10	Orange	7
11	Peach	1
12	Pomegranate	2

Server: 127.0.0.1 » Database: vishalsalvi » Table: survey										
Browse Structure SQL Search Insert Export Import Privileges Operations										
Table structure Relation view										
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action	
<input type="checkbox"/> 1	ID	int(20)			No	None		AUTO_INCREMENT	Change	Drop More
<input type="checkbox"/> 2	Name	varchar(32)	utf8mb4_general_ci		No	None			Change	Drop More
<input type="checkbox"/> 3	Votes	int(15)			No	None			Change	Drop More

← T →				ID	Name	Votes
<input type="checkbox"/>	 Edit	 Copy	 Delete	1	Kiwi	15
<input type="checkbox"/>	 Edit	 Copy	 Delete	2	Mango	7
<input type="checkbox"/>	 Edit	 Copy	 Delete	3	Apple	4
<input type="checkbox"/>	 Edit	 Copy	 Delete	4	Grapes	6
<input type="checkbox"/>	 Edit	 Copy	 Delete	5	Chiku	3
<input type="checkbox"/>	 Edit	 Copy	 Delete	6	Pineapple	9
<input type="checkbox"/>	 Edit	 Copy	 Delete	7	Banana	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	8	Watermelon	6
<input type="checkbox"/>	 Edit	 Copy	 Delete	9	Jackfruit	4
<input type="checkbox"/>	 Edit	 Copy	 Delete	10	Orange	7
<input type="checkbox"/>	 Edit	 Copy	 Delete	11	Peach	1
<input type="checkbox"/>	 Edit	 Copy	 Delete	12	Pomegranate	2

Conclusion:

- PHP stands for Hypertext pre-processor
- PHP is a server side scripting language. This means that it is executed on the server. The client applications do not need to have PHP installed.
- PHP files are saved with the ".php" file extension, and the PHP development code is enclosed in tags.
- PHP is open source and cross platform