Course Name : **Web Technology Through PHP**
Course Code : **CSEG7007**

Course Instructor :

J.Dhiviya Rose
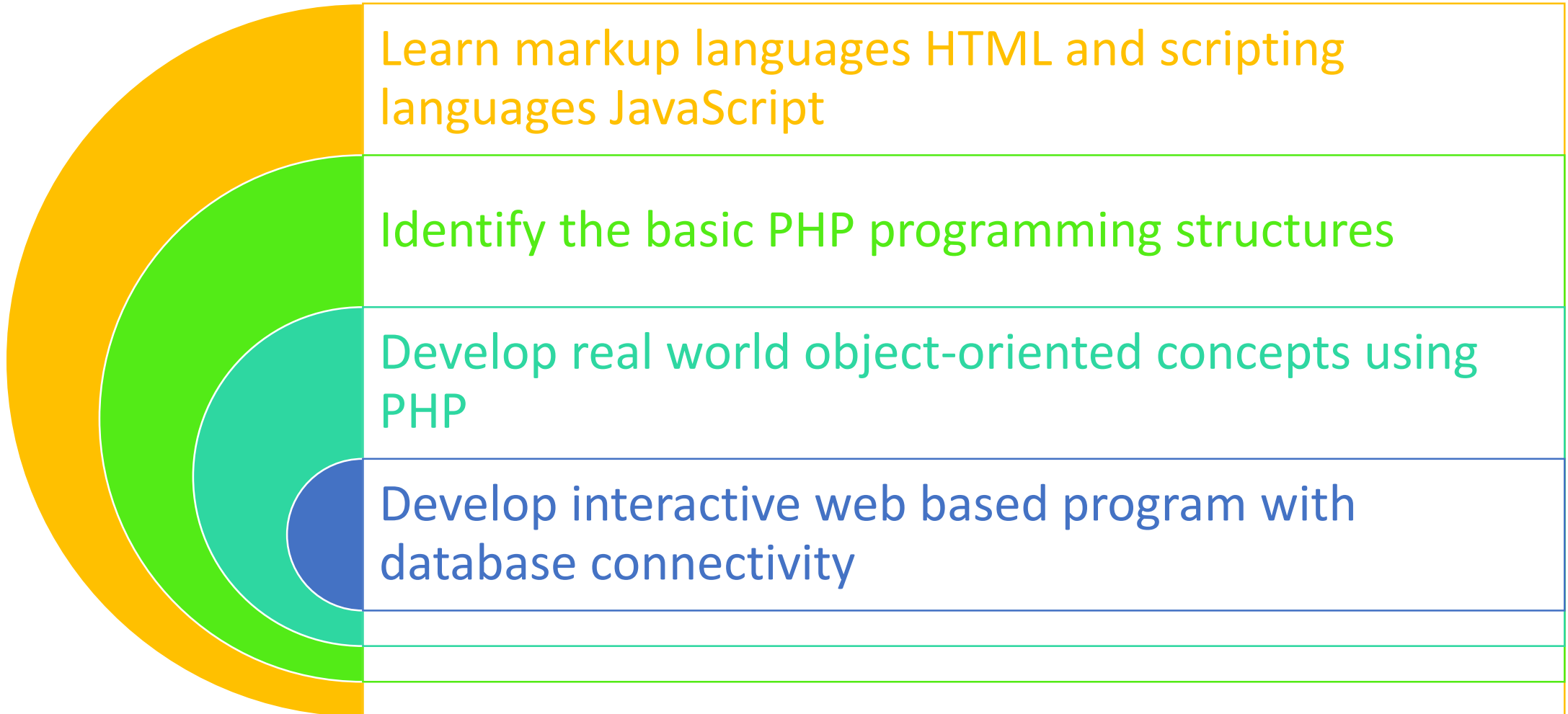**Assistant Professor-Selection Grade**
Department of Cybernetics
School of Computer Science
Email : dhiviyarj@ddn.upes.ac.in
Mobile : 9410188296

J. Dhiviya Rose

Course Outcomes – Web Technology Through PHP

Learn markup languages HTML and scripting languages JavaScript

Identify the basic PHP programming structures

Develop real world object-oriented concepts using PHP

Develop interactive web based program with database connectivity

PHP Arrays

Course Instructor

Dhiviya Rose J . Asst. Prof. Selection Grade

Department of Cybernetics| SOCS | UPES

Arrays

- Ordered **MAP** used for **grouping the data**

- A map is a **data structure** that associates **(key, value) pair**.

- Various optimized structures includes array, list(vector), hashtable, dictionary, collection, stack, queue……

- There are 3 types of array in PHP.
    - **Indexed Array** – indexed in incremental order starting from 0
    - **Associative Array** – indexed by a label
    - **Multidimensional Array**

Arrays Creation in PHP

Created using the [array()](#) language construct.

It takes any number of comma-separated key => value pairs as arguments

```php
<?php
$myarr2=[100,200,300];
foreach($myarr2 as $temp)
echo $temp."<br>";
?>
```

Indexed Array

```php
<?php
$weekday = array("Monday","Tuesday","Wednesday","Thursday");
foreach($weekday as $temp)
echo $temp."<br>";
?>
```

Associative Array

```php
<?php
$weekday = array
("Mon"=>"Monday","Tue"=>"Tuesday","Wed"=>"Wednesday","Thur"=>"Thursday");
foreach($weekday as $tempkey=>$tempvalue)
echo $tempkey."&nbsp-----".$tempvalue."<br>";
?>
```

```
Mon -----Monday
Tue -----Tuesday
Wed -----Wednesday
Thur -----Thursday
```

Multi-Dimentional Arrays in PHP

- Array of arrays

- Used for Tabular data storing

- Indexes can be extended

	Column 0	Column 1	Column 2
Row 0	x[0][0]	x[0][1]	x[0][2]
Row 1	x[1][0]	x[1][1]	x[1][2]
Row 2	x[2][0]	x[2][1]	x[2][2]

KEY POINTS

- In PHP Arrays elements can be store mixed datatype

- Sorting and Searching are the key components in Array

- Key can be only int/string. If float given it will be truncated

- An alternate way of array creation is

```php
<?php
$myarr2=[100,200,300];
foreach($myarr2 as $temp)
echo $temp."<br>";
?>
```

- Array elements can also be retrieved using the index

```php
<?php
$myarr2=[100,200,300];
echo $myarr2[0]."    ".$myarr2[1]. "      ".$myarr2[2];
?>
```

100 200 300
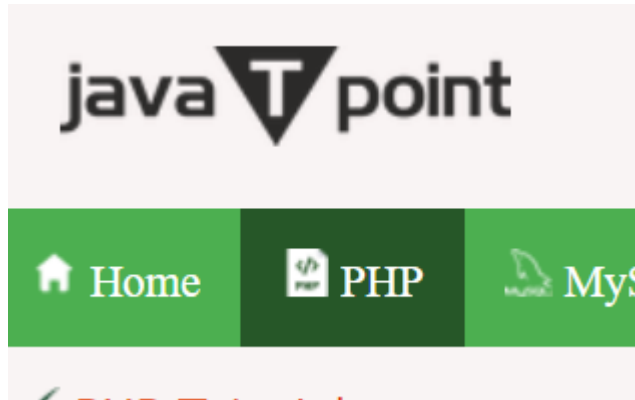
How to store in an array??

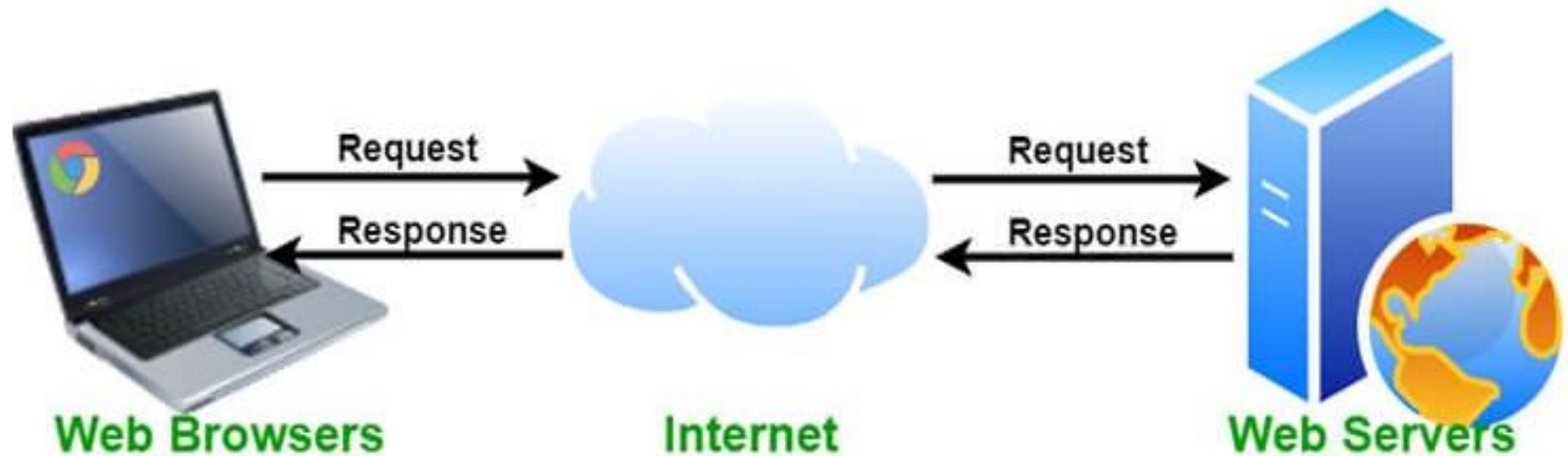| ID	NAME	CLASS	MARK	GENDER
1	John Deo	Four	75	female
2	Max Ruin	Three	85	male
3	Arnold	Three	55	male
4	Krish Star	Four	60	female
5	John Mike	Four	60	female
6	Alex John	Four	55	male
7	My John Rob	Five	78	male
8	Asruid	Five	85	male
9	Tes Qry	Six	78	male
10	Big John	Four	55	female

J. Dhiviya Rose

Reference Track to Study

✓ PHP Arrays

⊕ PHP Array

⊕ PHP Indexed Array

⊕ PHP Associative Array

⊕ **Multidimensional Array** ⬈

⊕ PHP Array Functions

Retrieving the Form

Value in PHP

Communication of Data

Client browsers can send information to a web server in two different ways:

GET Method

POST Method

1. Get Method

- Send by encoding the values in the **URL of the page request**

- Implement this method by **concatenating the question mark character (?)** to the end of the page request

- form data is **visible to everyone** as it is displayed in the browser address bar

ⓘ localhost/formdemo.php?t1=Dhiviya&p1=Rose

Enter your Name : Dhiviya

Enter your password :

Submit

formdemo - Notepad

File Edit Format View Help

```php
<?php
echo $_GET['t1'];
?>
```

```html
<form method=get action="formdemo.php">
<lable> Enter your Name </lable> : <input type=text name=t1> <br><br>
<lable> Enter your password </lable> : <input type=password name=p1>
<br><br><br>
<input type=submit>
```

1. POST Method

- Sends information via HTTP header.

- All name/value pairs sent through this method is invisible to anyone else since all the information are embedded within the body of the HTTP request.

- access key (**$_POST['name as key']**).

```
<form method=post action="formdemo.php">
<lable> Enter your Name </lable> : <input type=text name=t1> <br><br>
<lable> Enter your password </lable> : <input type=password name=p1>
<br><br><br>
<input type=submit>

</form>
```

formdemo - Notepad

File Edit Format View Help
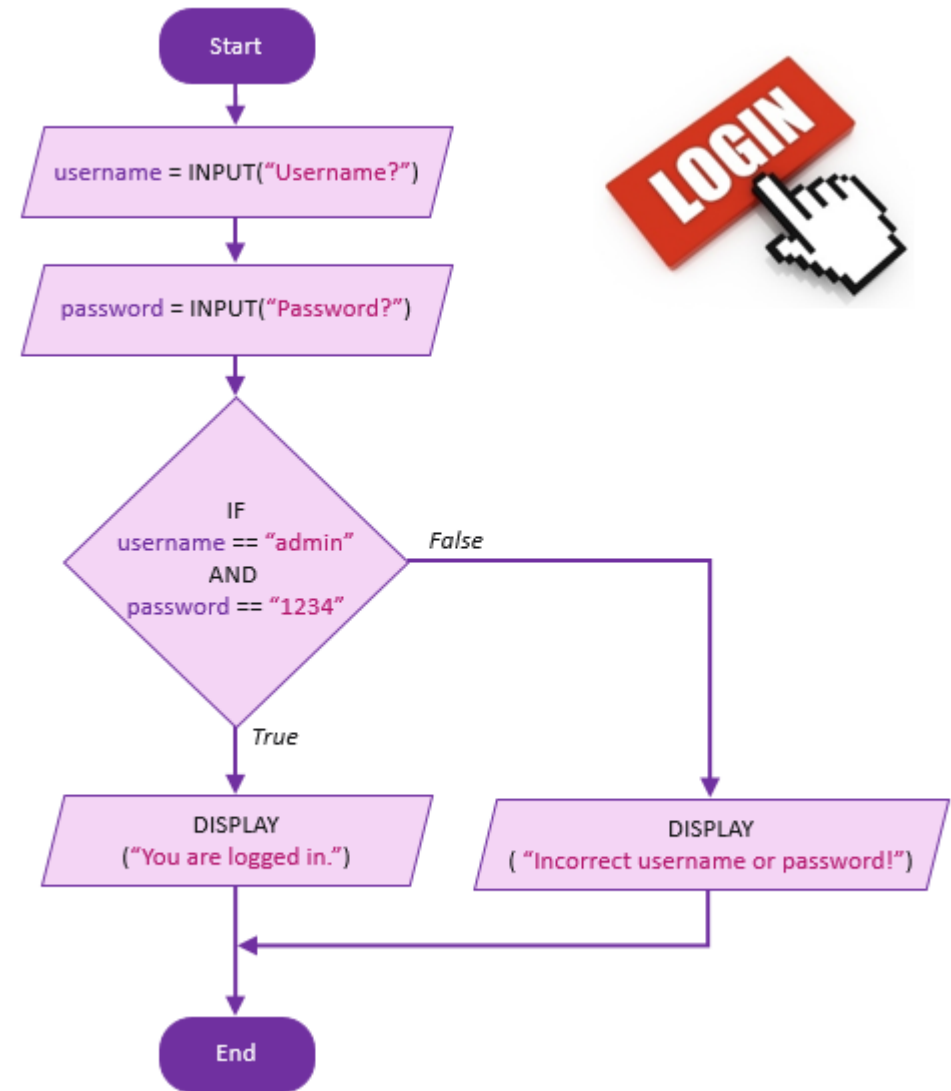
```
<?php
echo $_POST['t1'];
?>
```

← → C ⓘ localhost/formdemo.php
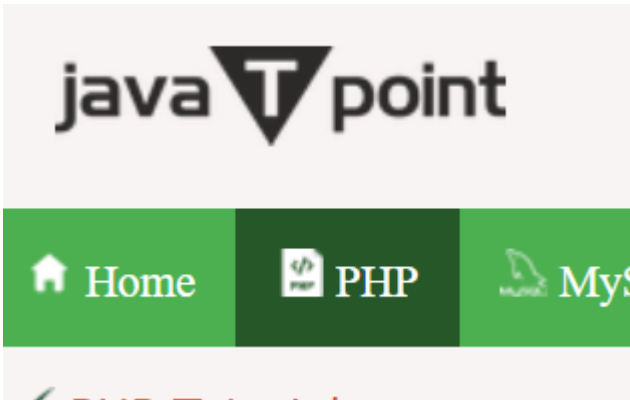
📁 UPES 📁 Agents 📁 Blood Bank Study 📁 Pers

Dhiviya

ACTIVITY TIME

Enter the Username [ ]

Enter the password [ ]

Login

Start

username = INPUT("Username?")

password = INPUT("Password?")

IF
username == "admin"
AND
password == "1234"

False

True

DISPLAY
("You are logged in.")

DISPLAY
("Incorrect username or password!")

End

J. Dhiviya Rose

Reference Track to Study

J. Dhiviya Rose