

PHP Programming Part-2

Basics, Operators, Conditions and Loops:

Program 1:

For this PHP exercise, you will use the same format as the previous exercise, requesting input in the first part, and responding in the second, through the magic of PHP's if-else statement. In the first section, give the user an input field and request that they enter a day of the week. For the second section, you'll need the following poem:

Laugh on Monday, laugh for danger.
Laugh on Tuesday, kiss a stranger.
Laugh on Wednesday, laugh for a letter.
Laugh on Thursday, something better.
Laugh on Friday, laugh for sorrow.
Laugh on Saturday, joy tomorrow.

Using the if-elseif-else construction, set each line to output in response to the day the user inputs, with a general response for any input that is not in the poem.

Solution:

```
<html>
<title>Assignment 14</title>
<body>
  <form action="#" method="POST">
    Enter text
    <input type="text" name="ip"
required>
    <input type="submit" value="Enter"
name="submit1">
  <?php
    echo "<br>";
    if(isset($_POST["submit1"]))
    {
      if($_POST["ip"]=="Monday")
```

```
{
  echo "Laugh on Monday, laugh for danger.";
}
```

```
else if($_POST["ip"]=="Tuesday")
{
  echo "Laugh on Tuesday, kiss a stranger.";
}
else if($_POST["ip"]=="Wednesday")
{
  echo "Laugh on Wednesday, laugh for a
letter.";
}
else if($_POST["ip"]=="Thursday")
{
  echo "Laugh on Thursday, something
better.";
}
else if($_POST["ip"]=="Friday")
{
  echo "Laugh on Friday, laugh for sorrow.";
}
else if($_POST["ip"]=="Saturday")
{
  echo "Laugh on Saturday, joy tomorrow.";
}
else
{
  echo "Wrong input Given";
}
?>
```

```
</form>
</body>
</html>
```

Output:

Enter text
Laugh on Monday, laugh for danger.

Program 2:

Rewrite the previous exercise using a select field for the user input and the switch statement to process the response. Once again, here's the poem:

Laugh on Monday, laugh for danger.

Laugh on Tuesday, kiss a stranger.

Laugh on Wednesday, laugh for a letter.

Laugh on Thursday, something better.

Laugh on Friday, laugh for sorrow.

Laugh on Saturday, joy tomorrow.

Remember to include a general response for any input that is not in the poem. To make things a little more interesting, include a 'Back' button on the response so that the user can go back and try different days.

Solution:

```
<html>
<title>Assignment 14</title>
<body>
  <form action="#" method="POST">
    Enter text
    <select name="ip">

      <option>Monday</option>
      <option>Tuesday</option>
      <option>Wednesday</option>
      <option>Thursday</option>
      <option>Friday</option>
      <option>Saturday</option>
    </select>

    <input type="submit" value="Enter"
name="submit1">
  <?php
echo "<br>";
if(isset($_POST["submit1"]))
{
switch($_POST["ip"])
{
case "Monday": echo "Laugh on Monday, laugh
for danger.";
break;
```

```
case "Tuesday":echo "Laugh on Tuesday, kiss a
stranger.";
break;
```

```
case "Wednesday":echo "Laugh on Wednesday,
laugh for a letter.";
break;
```

```
case "Thursday": echo "Laugh on Thursday,
something better.";
break;
```

```
case "Friday":echo "Laugh on Friday, laugh for
sorrow.";
break;
```

```
case "Saturday": echo "Laugh on Saturday, joy
tomorrow.";
break;
```

```
default : echo "Wrong input Given";
}
```

```
}
?>
```

```
</form>
</body>
</html>
```

Output:

Enter text
Laugh on Friday, laugh for sorrow.

Program 3:

Write an array variable of weather conditions with the following values: rain, sunshine, clouds, hail, sleet, snow, wind. Using the array variable for all the weather conditions, echo the following statement to the browser:

We've seen all kinds of weather this month. At the beginning of the month, we had snow and wind. Then came sunshine with a few clouds and some rain. At least we didn't get any hail or sleet.

Solution:

```
<html>
<title>Program 3</title>
<body>
```

```
<?php
$array=array("rain","sunshine","clouds","
hail","sleet","snow","wind");
echo "<br>We've seen all kinds of weather
this month. At the beginning of the month,
we had $array[5] and $array[6].
Then came $array[1] with a few $array[2]
and some $array[0]. At least we didn't get
any $array[3] or $array[4].";
```

```
?>
</body>
</html>
```

Output:

We've seen all kinds of weather this month. At the beginning of the month, we had snow and wind. Then came sunshine with a few clouds and some rain. At least we didn't get any hail or sleet.

Program 4:

Use a list of ten of the largest cities in the world. Create an array with the following values: Tokyo, Mexico City, New York City, Mumbai, Seoul, Shanghai, Lagos, Buenos Aires, Cairo, London. Print these values to the browser separated by commas, using a loop to iterate over the array. Sort the array, then print the values to the browser in an unordered list, again using a loop. Add the following cities to the array: Los Angeles, Calcutta, Osaka, Beijing. Sort the array again, and print it once more to the browser in an unordered list.

Solution:

```
<html>
<title>Assignment 17</title>
<body>
<?php
```

```
$array=array("Tokyo", "Mexico", "City",
"New York City", "Mumbai", "Seoul",
"Shanghai", "Lagos", "Buenos Aires",
"Cairo", "London");
for($i=0;$i<11;$i++)
{
echo $array[$i];
if($i<10)
{
echo " , ";
}
}
```

```
sort($array);
```

```
echo "<ul>";
for($i=0;$i<11;$i++)
{
echo "<li>".$array[$i]."</li>";
}
echo "</ul>";
```

```
array_push($array,"Los Angeles",
"Calcutta", "Osaka", "Beijing");
```

```
sort($array);
```

```
echo "<ul>";
for($i=0;$i<11;$i++)
{
echo "<li>".$array[$i]."</li>";
}
echo "</ul>";
```

```
?>

</body>
</html>
```

Output:

Tokyo , Mexico , City , New York City ,
Mumbai , Seoul , Shanghai , Lagos , Buenos
Aires , Cairo , London

- Buenos Aires
 - Cairo
 - City
 - Lagos
 - London
 - Mexico
 - Mumbai
 - New York City
 - Seoul
 - Shanghai
 - Tokyo
-
- Beijing
 - Buenos Aires
 - Cairo
 - Calcutta
 - City
 - Lagos
 - London
 - Los Angeles
 - Mexico
 - Mumbai
 - New York City

Program 5:

For this PHP exercise, create a form asking the user for input about the weather the user has experienced in a month of the user's choice. In separate text fields, request the city, month and year in question. Below that, show a series of checkboxes using the same weather conditions you used in exercise #Program 3. (Those values were: rain, sunshine, clouds, hail, sleet, snow, wind.) Set up the form to create an array from the checked items. In the response section of your script, create an array using the city, month and year the user entered as values. Print the following response "In \$city in the

month of \$month \$year, you observed the following weather:", where \$city, \$month and \$year are values from the array you created. Next, loop through the \$weather[] array you received from the user to send back a bulleted list with the user's responses

Solution:

```
<html>
<title>Assignment 18</title>
<body>
    <form action="#" method="POST">
        Enter City <input type="text"
name="city">
        Enter Year <input type="text"
name="year">
        Enter Month <input type="text"
name="month">
        <br><br>
        rain<input type="checkbox"
name="rain">, sunshine<input
type="checkbox" name="sunshine">,
clouds<input type="checkbox"
name="clouds">, hail<input
type="checkbox" name="hail">, sleet<input
type="checkbox" name="sleet">,
snow<input type="checkbox"
name="snow">, wind<input
type="checkbox" name="wind">
```

```
        <input type="submit" value="Enter"
name="submit1">
    </form>
```

```
<?php
```

```
$array=array();
```

```
if(isset($_POST["rain"]))
```

```
{
array_push($array,"rain");
}

if(isset($_POST["sunshine"]))
{
    array_push($array,"sunshine");
}

if(isset($_POST["clouds"]))
{
    array_push($array,"clouds");
}

if(isset($_POST["hail"]))
{
    array_push($array,"hail");
}

if(isset($_POST["sleet"]))
{
    array_push($array,"sleet");
}

if(isset($_POST["snow"]))
{
    array_push($array,"snow");
}

if(isset($_POST["wind"]))
{
    array_push($array,"wind");
}

if(isset($_POST["submit1"]))
{
    $city=$_POST["city"];
    $month=$_POST["month"];
    $year=$_POST["year"];
    echo "In $city in the month of $month
$year, you observed the following
weather:";
    echo "<ul>";
```

```
foreach($array as $a)
{
    echo "<li>".$a."</li>";
}
echo "</ul>";
}

?>
</body>
</html>
```

Output:

Enter City Enter Year Enter Month

rain ☐, sunshine ☐, clouds ☐, hail ☐, sleet ☐, snow ☐, wind ☐

In Prayagraj in the month of November 2023, you observed the following weather:

- rain
- sunshine