UNIT 3 EXERCISES SOLVED- Forms and Sessions

1. You have these two pages:

```
form.html
<form action="follow.php" method="POST">
Name: <input type="text" name="name"/><br />
<input type="submit" name="button" value="Send">
</form>

follow.php
<?php
$name=$_POST['name'];
echo "Hello, $name";
?>
```

- ○ EMPTY NAME: leave the name blank and click Send

  Hello,

- ○ GO TO FOLLOW.PHP: now go directly to the second web page by typing the URL, without going through index.html

  Warning: Undefined array key "name" in C:\xampp\htdocs\follow.php on line 2

- Use isset($variable) and empty($variable) functions to solve these problems:

```
<?php
if (!isset($_POST['name'])) {
echo "not defined name";
} elseif (empty($_POST['name'])) {
echo "empty name";
} else {
$name = $_POST['name'];
echo "Hello, $name";
}

echo "<p><a href='form.html'>Return to the form</a></p>";

?>
```

2. Show the message: "Loops are easy!" the number of times indicated in the form

form.html
```
<html>
<head>
<title></title>
</head>
<body>
<form action="follow.php" method="post">
How many times?
<input type="text" name="number">
<input type="submit" value="Send">
</form>
</body>
</html>
```

follow.php
```
<html>
<head>
<title>While loop</title>
</head>
<body>
<h1>While loop</h1>
<?php
if ( isset( $_POST['number'] )) {
$number = $_POST['number'];
$counter = 1;
while ($counter <= $number) {
echo "Loops are easy!<br>\n";
$counter++;
}
echo "Finished.\n";
}
?>
</p>
</body>
</html>
```

3. Same but one file

form.php

```
<html>
<head>
<title></title>
</head>
<body>
<h1>While loop</h1>
<form action="form.php" method="post">
How many times?
<input type="text" name="number">
<input type="submit" value="Send">
</form>
<p>
<?php
if ( isset( $_POST['number'] )) {
$number = $_POST['number'];
$counter = 1;
while ($counter <= $number) {
echo "Loops are easy!<br>\n";
$counter++;
}
echo "Finished.\n";
}
?>
</p>
</body>
</html>
```

4. Write your name, and your Gender, and the script welcomes you

form.html

```
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM </h1><br>
<br>
<h1>Fills in the data (form.html)</h1>
<form action="follow.php" method="post">
<input type="radio" name="gender" value="0"> Mr.
<input type="radio" name="gender" value="1"> Mrs.<br>
Your surname:<br>
<input type="text" name="lastname">
<input type="submit" value="send">
</form>
</body>
```

```
</html>
```

follow.php

```
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM</h1><br>
<br>
<h1>My FORM</h1>
<?php
if($_POST['gender'] == 0) {
echo "Hello Mr. ";
} else {
echo "Hello Mrs. ";
}
echo "<b>{$_POST['lastname']}</b>, nice to meet you.";
?>
</body>
</html>
```

5. Same but only with one file

form.php
```
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>All in one</h1><br>
<br>
<h1>Fills in the data (form.html)</h1>
<form action="form.php" method="post">
<input type="radio" name="gender" value="0"> Mr.
<input type="radio" name="gender" value="1"> Mrs.<br>
Your surname:<br>
<input type="text" name="lastname">
<input type="submit" name="submitbutton" value="Send!">
</form>
<?php
if (isset($_POST['gender']) && isset($_POST['lastname']) && $_POST['lastname'] != "") {
if($_POST['gender'] == 0) {
echo "Hello Mr. ";
} else {
echo "Hello Mrs. ";
}
echo "<b>{$_POST['lastname']}</b>, nice to meet you.\n";
} else {
```

```php
if (isset($_POST['submitbutton'])) {
echo "Please fill all the fields" ;
}
}
?>
</body>
</html>
```

6. Validation . Validate an eeuu phone number. Correct options: 1-555-555-1234 or 555-555-1234

form.html
```html
<form action="follow.php" method="POST">
Name: <input type="text" name="name"/><br />
Phone: <input type="text" name="phone"/><br />
<input type="submit" name="button" value="Send">
</form>
```

follow.php
```php
<?php
$name=$_POST['name'];
echo "Hello, $name.<br/>";
$phone = $_POST['phone'];
if (preg_match('/^((1-)?\d{3})-\d{3}-\d{4}/', $phone))
{
echo "Valid phone $phone";
} else {
echo "Invalid phone $phone";
}
?>
```

7. Input validation (with pattern). Input a name and a correct nif: 20202020J (8 numbers and a capital letter)

form.html
```html
<form action="follow.php" method="POST">
Name: <input type="text" name="name"/><br />
NIF: <input type="text" pattern="[0-9]{8}[A-Z]{1}" name="dni" /><br />
<input type="submit" name="button" value="Send">
</form>
```

follow.php
```php
<?php
$name=$_POST['name'];
echo "Hello, $name. Correct Nif";
?>
```

8. Work with Select. Choose a car

form.html
```html
<html>
<head>
```

```html
<title>MY FORM</title>
</head>
<body>
<h1>FORM </h1><br>
<br>
<h1>Fills in the data (form.html)</h1>
<form action="follow.php" method="post">
Your surname:<br><input type="text" name="lastname">
<label for="cars">Your car:</label>
<select id="cars" name="cars">
<option value="volvo">Volvo</option>
<option value="saab">Saab</option>
<option value="fiat">Fiat</option>
<option value="audi">Audi</option>
</select>
<input type="submit" value="send">
</form>
</body>
</html>
```

follow.php
```html
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM</h1><br>
<br>
<h1>My 4t FORM</h1>
<?php
echo "<b> Your name is {$_POST['lastname']}</b>, and you have a ".$_POST['cars'];
?>
</body>
</html>
```

9 Work with Multiple Select. Choose several cars (with Ctrl pressed)

form.html
```html
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM </h1><br>
<br>
<h1>Fills in the data (form.html)</h1>
<form action="follow.php" method="post">
Your surname:<input type="text" name="lastname">
<label for="cars">Your car:</label>
<select id="cars" name="cars[]" size="4" multiple>
<option value="volvo">Volvo</option>
<option value="saab">Saab</option>
```

```html
<option value="fiat">Fiat</option>
<option value="audi">Audi</option>
</select>
<input type="submit" value="send">
</form>
</body>
</html>
```

follow.php
```php
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM</h1><br>
<br>
<h1>My 4t FORM</h1>
<?php
echo "<b> Your name is {$_REQUEST['lastname']}</b>";
$cars = $_REQUEST['cars'];
echo "<br/>You have these cars: <br/>";
foreach ($cars as $car)
echo " $car<BR>\n";
?>
</body>
</html>
```

10. Work with checkbox. Choose sports

form.html
```html
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM </h1><br>
<br>
<h1>Fills in the data (form.html)</h1>
<form action="follow.php" method="post">
Your surname:<br><input type="text" name="lastname">
<fieldset>
<legend>Please select which sports you like</legend>
<label>
Baseball
<input type="checkbox" name="baseball"><br>
</label>
<label>
Basketball
<input type="checkbox" name="basketball"><br>
</fieldset>
<input type="submit" value="send">
```

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

follow.php
<html>
<head>
<title>MY FORM</title>
</head>
<body>
<h1>FORM</h1><br>
<br>
<h1>My 4t FORM</h1>
<?php
echo "<b> Your name is ".$_REQUEST['lastname']."</b><br>";
echo "You play ";
if (isset($_POST['basketball'])) echo 'basketball<br>';
if (isset($_POST['baseball'])) echo 'baseball';
?>
</body>
</html>
```

11. VALIDATION WITH GET

Form.html

```
<html>
<head>
<title></title>
</head>
<body>
<form action="valida.php" method="post">
Name: <input type="text" name="name">
<input type="submit" value="Send">
</form>
</body>
</html>
```

Valida.php
```
<?php
$name=$_POST['name'];
if (is_null($name) || empty($name))
{
header("Location:form.html");
}
else
{header("Location:follow.php?name=$name");
}
?>
```

follow.php
```php
<?php
$name=$_GET['name'];
echo "Hello, $name";
?>
```

12. VALIDATION WITH SESSION.

Same form.html

Valida.php
```php
<?php
session_start();
$name=$_POST['name'];
if (is_null($name) || empty($name))
{
header("Location:form.html");
}
else
{$_SESSION['name']=$name;
header("Location:follow.php");
}
?>
```

follow.php
```php
<?php
session_start();
$name=$_SESSION['name'];
echo "Hello, $name";
session_destroy();
?>
```

13. KEEPING VALUES WITH SESSION

form.php
```php
<?php session_start();
if(isset($_SESSION['name']))
{
  echo 'Name too short';
   $name=$_SESSION['name'];
}
?>
<form action="valida.php" method="POST">
   Name: <input type="text" name="name" value="<?php if (isset($name)) echo $name;?>"/>
   <input type="submit" name="boto" value="Send"/>
 </form>
```

Valida.php (Name more than 8 characters)
```php
<?php
session_start();
```

```php
$name=$_POST['name'];
$_SESSION['name']=$name;
if (strlen($name)<8)
{
header("Location:form.php");
}
else
{
header("Location:follow.php");
}
?>
```

follow.php:
```php
<?php
session_start();
$name=$_SESSION['name'];
 echo "Hello, $name";
session_destroy();
echo "<br/><a href='form.php'>Go back </a>";
?>
```

14. KEEPING VALUES WITH HIDDEN

form.php
```php
   <form action="follow.php" method="POST">
    Name: <input type="text" name="name" value="<?php if(isset($_POST["name"])) echo
$_POST["name"];?>"/>
    Surname: <input type="text" name="surname" value="<?php if(isset($_POST["surname"]))
echo $_POST["surname"];?>"/>
    <input type="submit" name="boto" value="Send"/>
 </form>
```

follow.php:

```php
<?php
$name=$_POST['name'];
$surname=$_POST['surname'];
if (is_null($name) || empty($name)||is_null($surname) || empty($surname))
{

?>
<form action="form.php" method="post">
 You have left blank values
  <?php
 echo "<INPUT TYPE='hidden' NAME='name' VALUE='$name'>";
 echo "<INPUT TYPE='hidden' NAME='surname' VALUE='$surname'>";
 ?>
```

```php
<INPUT TYPE='submit' VALUE='Go back'>
</form>
<?php
}
else
{
   echo "Hello , $name $surname";
   ?>
<form action="form.php">
  <INPUT TYPE='submit' VALUE='Go Back'>
</form>
 <?php
}
?>
```

15. Count how many times a user has connected to the page (give the refresh option)

```php
<?php

session_start();
 if (!isset($_SESSION['counter']))

 { echo "Welcome, it's your first time here";

 $_SESSION['counter']=1; }

 else

 { $_SESSION['counter']++; echo "

You have been here ". $_SESSION['counter'] ." times."; }

?>
```