**Sanitization/ Validation programs**

**Example1**

<!DOCTYPE HTML>

<html>

<head>

</head>

<body>

<?php

// define variables and set to empty values

$name = $email = $gender = $comment = $website = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

  $name = test\_input($\_POST["name"]);

  $email = test\_input($\_POST["email"]);

  $website = test\_input($\_POST["website"]);

  $comment = test\_input($\_POST["comment"]);

  $gender = test\_input($\_POST["gender"]);

}

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<h2>PHP Form Validation Example</h2>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

  Name: <input type="text" name="name">

  <br><br>

  E-mail: <input type="text" name="email">

  <br><br>

  Website: <input type="text" name="website">

  <br><br>

  Comment: <textarea name="comment" rows="5" cols="40"></textarea>

  <br><br>

  Gender:

  <input type="radio" name="gender" value="female">Female

  <input type="radio" name="gender" value="male">Male

  <input type="radio" name="gender" value="other">Other

  <br><br>

  <input type="submit" name="submit" value="Submit">

</form>

<?php

echo "<h2>Your Input:</h2>";

echo $name;

echo "<br>";

echo $email;

echo "<br>";

echo $website;

echo "<br>";

echo $comment;

echo "<br>";

echo $gender;

?>

</body>

</html>

**Example2**

<!DOCTYPE HTML>

<html>

<head>

<style>

.error {color: #FF0000;}

</style>

</head>

<body>

<?php

// define variables and set to empty values

$nameErr = $emailErr = $genderErr = $websiteErr = "";

$name = $email = $gender = $comment = $website = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

  if (empty($\_POST["name"])) {

    $nameErr = "Name is required";

  } else {

    $name = test\_input($\_POST["name"]);

  }

  if (empty($\_POST["email"])) {

    $emailErr = "Email is required";

  } else {

    $email = test\_input($\_POST["email"]);

  }

  if (empty($\_POST["website"])) {

    $website = "";

  } else {

    $website = test\_input($\_POST["website"]);

  }

  if (empty($\_POST["comment"])) {

    $comment = "";

  } else {

    $comment = test\_input($\_POST["comment"]);

  }

  if (empty($\_POST["gender"])) {

    $genderErr = "Gender is required";

  } else {

    $gender = test\_input($\_POST["gender"]);

  }

}

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<h2>PHP Form Validation Example</h2>

<p><span class="error">\* required field</span></p>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

  Name: <input type="text" name="name">

  <span class="error">\* <?php echo $nameErr;?></span>

  <br><br>

  E-mail: <input type="text" name="email">

  <span class="error">\* <?php echo $emailErr;?></span>

  <br><br>

  Website: <input type="text" name="website">

  <span class="error"><?php echo $websiteErr;?></span>

  <br><br>

  Comment: <textarea name="comment" rows="5" cols="40"></textarea>

  <br><br>

  Gender:

  <input type="radio" name="gender" value="female">Female

  <input type="radio" name="gender" value="male">Male

  <input type="radio" name="gender" value="other">Other

  <span class="error">\* <?php echo $genderErr;?></span>

  <br><br>

  <input type="submit" name="submit" value="Submit">

</form>

<?php

echo "<h2>Your Input:</h2>";

echo $name;

echo "<br>";

echo $email;

echo "<br>";

echo $website;

echo "<br>";

echo $comment;

echo "<br>";

echo $gender;

?>

</body>

</html>

**Example3**

<!DOCTYPE HTML>

<html>

<head>

<style>

.error {color: #FF0000;}

</style>

</head>

<body>

<?php

// define variables and set to empty values

$nameErr = $emailErr = $genderErr = $websiteErr = "";

$name = $email = $gender = $comment = $website = "";

if ($\_SERVER["REQUEST\_METHOD"] == "POST") {

  if (empty($\_POST["name"])) {

    $nameErr = "Name is required";

  } else {

    $name = test\_input($\_POST["name"]);

  }

  if (empty($\_POST["email"])) {

    $emailErr = "Email is required";

  } else {

    $email = test\_input($\_POST["email"]);

  }

  if (empty($\_POST["website"])) {

    $website = "";

  } else {

    $website = test\_input($\_POST["website"]);

  }

  if (empty($\_POST["comment"])) {

    $comment = "";

  } else {

    $comment = test\_input($\_POST["comment"]);

  }

  if (empty($\_POST["gender"])) {

    $genderErr = "Gender is required";

  } else {

    $gender = test\_input($\_POST["gender"]);

  }

}

function test\_input($data) {

  $data = trim($data);

  $data = stripslashes($data);

  $data = htmlspecialchars($data);

  return $data;

}

?>

<h2>PHP Form Validation Example</h2>

<p><span class="error">\* required field</span></p>

<form method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>">

  Name: <input type="text" name="name" value="<?php echo $name;?>">

  <span class="error">\* <?php echo $nameErr;?></span>

  <br><br>

  E-mail: <input type="text" name="email" value="<?php echo $email;?>">

  <span class="error">\* <?php echo $emailErr;?></span>

  <br><br>

  Website: <input type="text" name="website" value="<?php echo $website;?>">

  <span class="error"><?php echo $websiteErr;?></span>

  <br><br>

  Comment: <textarea name="comment" rows="5" cols="40"><?php echo $comment;?></textarea>

  <br><br>

  Gender:

  <input type="radio" name="gender" value="female" <?php if (isset($gender) && $gender=="female") echo "checked";?>>Female

  <input type="radio" name="gender" value="male" <?php if (isset($gender) && $gender=="male") echo "checked";?>>Male

  <input type="radio" name="gender" value="other" <?php if (isset($gender) && $gender=="other") echo "checked";?>>Other

  <span class="error">\* <?php echo $genderErr;?></span>

  <br><br>

  <input type="submit" name="submit" value="Submit">

</form>

<?php

echo "<h2>Your Input:</h2>";

echo $name;

echo "<br>";

echo $email;

echo "<br>";

echo $website;

echo "<br>";

echo $comment;

echo "<br>";

echo $gender;

?>

</body>

</html>

**Example4**

<?php

$name = $email = $address = $gender = "";

if($\_SERVER['REQUEST\_METHOD'] == 'POST')

{

    $name = test($\_POST["name"]);

    $email = test($\_POST["email"]);

    $address = test($\_POST["address"]);

    $gender = test($\_POST["gender"]);

}

function test($data)

{

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"])?>" method="POST">

Name:<input type="text" name="name"> <br><br>

Email:<input type="text" name="email"><br><br>

Address: <textarea name="address" cols="30" rows="10"></textarea><br><br>

Gender: <input type="radio" name="gender" value="male"> male

        <input type="radio" name="gender" value="female"> female

        <br><br>

        <input type="submit">

</form>

<?php

echo "<h1>The data filled  includes the following:</h1>";

echo $name. "<br>";

echo $email. "<br>";

echo $address. "<br>";

echo $gender. "<br>";

?>

**Example5**

<?php

$name = $email = $address = $gender = "";

$error\_name = $error\_email = $error\_address = $error\_gender = "";

if($\_SERVER['REQUEST\_METHOD']=='POST')

{

if(empty($\_POST['name']))

{

    $error\_name="Name is mandatory field";

}

else

{

    $name = test($\_POST['name']);

}

if(empty($\_POST['email']))

{

    $error\_email="Email is mandatory field";

}

else

{

    $email = test($\_POST['email']);

}

if(empty($\_POST['address']))

{

    $error\_address="Address is mandatory field";

}

else

{

    $address = test($\_POST['address']);

}

if(empty($\_POST['gender']))

{

    $error\_gender="Gender is mandatory field";

}

else

{

    $gender = test($\_POST['gender']);

}

}

function test($data)

{

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"])?>" method="POST">

Name:<input type="text" name="name"> <span><?php echo $error\_name; ?></span><br><br>

Email:<input type="text" name="email"><span><?php echo $error\_email; ?></span><br><br>

Address: <textarea name="address" cols="30" rows="10"></textarea><span><?php echo $error\_address; ?></span><br><br>

Gender: <input type="radio" name="gender" value="male"> male

        <input type="radio" name="gender" value="female"> female

        <span><?php echo $error\_gender; ?></span>

        <br><br>

        <input type="submit">

</form>

<?php

echo "<h1>The data filled  includes the following:</h1>";

echo $name. "<br>";

echo $email. "<br>";

echo $address. "<br>";

echo $gender. "<br>";

?>

**Example6**

<?php

$name = $email = $address = $gender = "";

$error\_name = $error\_email = $error\_address = $error\_gender = "";

if($\_SERVER['REQUEST\_METHOD']=='POST')

{

if(empty($\_POST['name']))

{

    $error\_name="Name is mandatory field";

}

else

{

    $name = test($\_POST['name']);

}

if(empty($\_POST['email']))

{

    $error\_email="Email is mandatory field";

}

else

{

    $email = test($\_POST['email']);

}

if(empty($\_POST['address']))

{

    $error\_address="Address is mandatory field";

}

else

{

    $address = test($\_POST['address']);

}

if(empty($\_POST['gender']))

{

    $error\_gender="Gender is mandatory field";

}

else

{

    $gender = test($\_POST['gender']);

}

}

function test($data)

{

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"])?>" method="POST">

Name:<input type="text" name="name" value="<?php echo $name;?>"> <span><?php echo $error\_name; ?></span><br><br>

Email:<input type="text" name="email" value="<?php echo $email;?>"><span><?php echo $error\_email; ?></span><br><br>

Address: <textarea name="address" cols="30" rows="10"><?php echo $address;?></textarea><span><?php echo $error\_address; ?></span><br><br>

Gender: <input type="radio" name="gender" value="male" <?php if (isset($gender) && $gender=="female") echo "checked";?>> male

        <input type="radio" name="gender" value="female" <?php if (isset($gender) && $gender=="male") echo "checked";?>> female

        <span><?php echo $error\_gender; ?></span>

        <br><br>

        <input type="submit">

</form>

<?php

echo "<h1>The data filled  includes the following:</h1>";

echo $name. "<br>";

echo $email. "<br>";

echo $address. "<br>";

echo $gender. "<br>";

?>

**Example7**

<?php

$name = $email = $address = $gender = "";

$error\_name = $error\_email = $error\_address = $error\_gender = "";

if($\_SERVER['REQUEST\_METHOD']=='POST')

{

if(empty($\_POST['name']))

{

    $error\_name="Name is mandatory field";

}

else

{

    $name = test($\_POST['name']);

}

if(empty($\_POST['email']))

{

    $error\_email="Email is mandatory field";

}

else

{

$email = test($\_POST['email']);

$email = filter\_var($email, FILTER\_SANITIZE\_EMAIL);

if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL) === false)

{

    $error\_email="";

}

else

{

    $error\_email="Not a valid email";

}

}

if(empty($\_POST['address']))

{

    $error\_address="Address is mandatory field";

}

else

{

    $address = test($\_POST['address']);

}

if(empty($\_POST['gender']))

{

    $error\_gender="Gender is mandatory field";

}

else

{

    $gender = test($\_POST['gender']);

}

}

function test($data)

{

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>

<form action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"])?>" method="POST">

Name:<input type="text" name="name" value="<?php echo $name;?>"> <span><?php echo $error\_name; ?></span><br><br>

Email:<input type="text" name="email" value="<?php echo $email;?>"><span><?php echo $error\_email; ?></span><br><br>

Address: <textarea name="address" cols="30" rows="10"><?php echo $address;?></textarea><span><?php echo $error\_address; ?></span><br><br>

Gender: <input type="radio" name="gender" value="male" <?php if (isset($gender) && $gender=="female") echo "checked";?>> male

        <input type="radio" name="gender" value="female" <?php if (isset($gender) && $gender=="male") echo "checked";?>> female

        <span><?php echo $error\_gender; ?></span>

        <br><br>

        <input type="submit">

</form>

<?php

echo "<h1>The data filled  includes the following:</h1>";

echo $name. "<br>";

echo $email. "<br>";

echo $address. "<br>";

echo $gender. "<br>";

?>