<!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"]);  
     // check if name only contains letters and whitespace  
     if (!preg\_match("/^[a-zA-Z ]\*$/",$name)) {  
       $nameErr = "Only letters and white space allowed";   
     }  
   }  
     
   if (empty($\_POST["email"])) {  
     $emailErr = "Email is required";  
   } else {  
     $email = test\_input($\_POST["email"]);  
     // check if e-mail address is well-formed  
     if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {  
       $emailErr = "Invalid email format";   
     }  
   }  
       
   if (empty($\_POST["website"])) {  
     $website = "";  
   } else {  
     $website = test\_input($\_POST["website"]);  
     // check if URL address syntax is valid (this regular expression also allows dashes in the URL)  
     if (!preg\_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=~\_|!:,.;]\*[-a-z0-9+&@#\/%=~\_|]/i",$website)) {  
       $websiteErr = "Invalid URL";   
     }  
   }  
  
   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 $comment;?></textarea>  
   <br><br>  
   Gender:  
   <input type="radio" name="gender" <?php if (isset($gender) && $gender=="female") echo "checked";?>  value="female">Female  
   <input type="radio" name="gender" <?php if (isset($gender) && $gender=="male") echo "checked";?>  value="male">Male  
   <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>