ASSIGNMENT-7

1. Form validation.
Code:-

```
<html>
<head>
<style>
.error {color: #FF0001;}
</style>
</head>
<body>

<?php
// define variables to empty values
$nameErr = $emailErr = $mobilenoErr = $genderErr = $websiteErr = $agreeErr = "";
$name = $email = $mobileno = $gender = $website = $agree = "";

//Input fields validation
if ($_SERVER["REQUEST_METHOD"] == "POST") {

//String Validation
    if (empty($_POST["name"])) {
        $nameErr = "Name is required";
    } else {
        $name = input_data($_POST["name"]);
            // check if name only contains letters and whitespaceif
            (!preg_match("/^[a-zA-Z ]*$/",$name)) {
                $nameErr = "Only alphabets and white space are allowed";
            }
    }

    //Email Validation
    if (empty($_POST["email"])) {
        $emailErr = "Email is required";
    } else {
        $email = input_data($_POST["email"]);
        // check that the e-mail address is well-formed
        if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {
            $emailErr = "Invalid email format";
        }
     }

    //Number Validation
    if (empty($_POST["mobileno"])) {
        $mobilenoErr = "Mobile no is required";
```

```php
    } else {
        $mobileno = input_data($_POST["mobileno"]);
        // check if mobile no is well-formed
        if (!preg_match ("/^[0-9]*$/", $mobileno) ) {
        $mobilenoErr = "Only numeric value is allowed.";
        }
    //check mobile no length should not be less and greator than 10if
    (strlen ($mobileno) != 10) {
        $mobilenoErr = "Mobile no must contain 10 digits.";
        }
    }

    //URL Validation
    if (empty($_POST["website"])) {
        $website = "";
    } else {
        $website = input_data($_POST["website"]);
        // check if URL address syntax is valid
        if (!preg_match("/\b(?:(?:https?|ftp):\/\/|www\.)[-a-z0-9+&@#\/%?=|!:,.;]*[-a-z0-9+&@#\/%=|]/i",$website)) {
            $websiteErr = "Invalid URL";
        }
    }

    //Empty Field Validation
    if (empty($_POST["gender"])) {
        $genderErr = "Gender is required";
    } else {
        $gender = input_data($_POST["gender"]);
    }

    //Checkbox Validation
    if (!isset($_POST['agree'])){
        $agreeErr = "Accept terms of services before submit.";
    } else {
        $agree = input_data($_POST["agree"]);
    }
}
function input_data($data) {
 $data = trim($data);
 $data = stripslashes($data);
 $data = htmlspecialchars($data);
 return $data;
}
?>

<h2>Registration Form</h2>
<span class = "error">* required field </span>
```

```html
<br><br>
<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>
   Mobile No:
   <input type="text" name="mobileno">
   <span class="error">* <?php echo $mobilenoErr; ?> </span>
   <br><br>
   Website:
   <input type="text" name="website">
   <span class="error"><?php echo $websiteErr; ?> </span>
   <br><br>
   Gender:
   <input type="radio" name="gender" value="male"> Male
   <input type="radio" name="gender" value="female"> Female
   <input type="radio" name="gender" value="other"> Other
   <span class="error">* <?php echo $genderErr; ?> </span>
   <br><br>
   Agree to Terms of Service:
   <input type="checkbox" name="agree">
   <span class="error">* <?php echo $agreeErr; ?> </span>
   <br><br>
   <input type="submit" name="submit" value="Submit">
   <br><br>
</form>

<?php
   if(isset($_POST['submit'])) {
   if($nameErr == "" && $emailErr == "" && $mobilenoErr == "" && $genderErr == ""&&
$websiteErr == "" && $agreeErr == "") {
      echo "<h3 color = #FF0001> <b>You have sucessfully registered.</b> </h3>";echo
      "<h2>Your Input:</h2>";
      echo "Name: " .$name;
      echo "<br>";
      echo "Email: " .$email;
      echo "<br>";
      echo "Mobile No: " .$mobileno;
      echo "<br>";
      echo "Website: " .$website;
      echo "<br>";
      echo "Gender: " .$gender;
```

```php
    } else {
        echo "<h3> <b>You didn't filled up the form correctly.</b> </h3>";
    }
    }
?>
</body>
</html>
```

Output:-

Registration Form

required field

Name: `joyita` *

E-mail: `abc@email.com` *

Mobile No: `4519762389` *

Website: `www.abc.com`

Gender: ○ Male ● Female ○ Other *

Agree to Terms of Service: ☑ *

[Submit]

You have sucessfully registered.

Your Input:

Name: joyita
Email: abc@email.com
Mobile No: 4519762389
Website: www.abc.com
Gender: female