Assignment-8

Study and Implement PHP with variables, function, procedure, and various operations.

1. Demonstrate the use of associative array in PHP.
Ans:

```php
<!DOCTYPE html>
<html>
<head>
   <title>PHP assosiative</title>
</head>
<body>
<?php

// Create an associative array
$fruits = array(
   "apple" => "red",
   "banana" => "yellow",
   "orange" => "orange"
);

// Access the values in the array using the keys
echo "The color of an apple is " . $fruits["apple"] . ".<br>";
echo "The color of a banana is " . $fruits["banana"] . ".<br>";
echo "The color of an orange is " . $fruits["orange"] . ".<br>";

// Change the value of a key in the array
$fruits["apple"] = "green";

// Add a new key and value to the array
$fruits["grape"] = "purple";

// Loop through the array and display the keys and values
foreach ($fruits as $key => $value) {
   echo "The color of a " . $key . " is " . $value . ".<br>";
}

?>

</body>
</html>
```
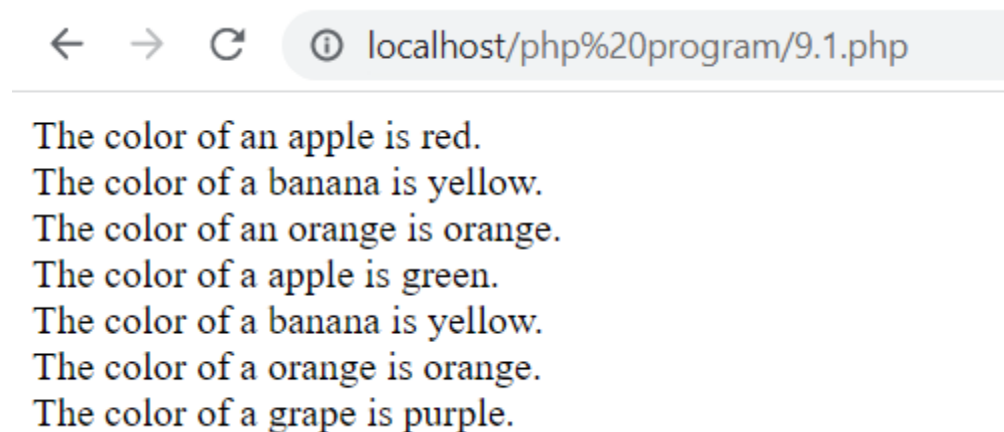
Output:

The color of an apple is red.
The color of a banana is yellow.
The color of an orange is orange.
The color of a apple is green.
The color of a banana is yellow.
The color of a orange is orange.
The color of a grape is purple.

2. Demonstrate the use of Session & Cookie in PHP.
Ans:
Session

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Session and cokkie</title>
</head>
<body>
<?php
session_start(); //start the PHP_session function

if(isset($_SESSION['page_count']))
{
   $_SESSION['page_count'] += 1;
}
else
{
   $_SESSION['page_count'] = 1;
}
 echo 'You are visitor number ' . $_SESSION['page_count'];
    session_destroy(); //destroy entire session
?>
</body>
</html>
```
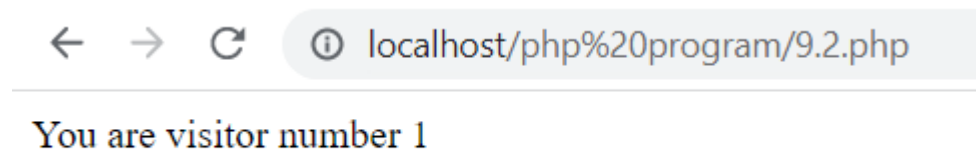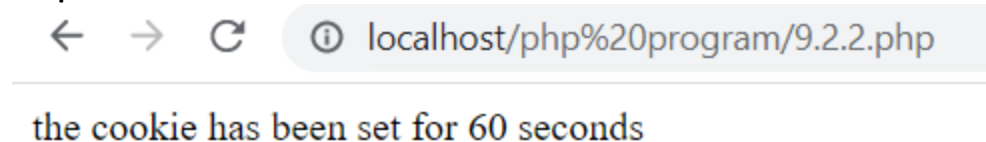
Output:

← → C ⓘ localhost/php%20program/9.2.php

You are visitor number 1

Cookie
```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Session and cokkie</title>
</head>

<body>
<?php
    setcookie("user_name", "Esheta", time()+ 60,'/'); // expires after 60 seconds
    echo 'the cookie has been set for 60 seconds';
?>
</body>
</html>
```
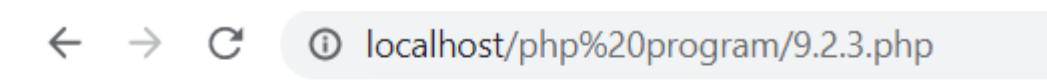
Output:

← → C ⓘ localhost/php%20program/9.2.2.php

the cookie has been set for 60 seconds

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Session and cokkie</title>
</head>
<body>
<?php
    print_r($_COOKIE);   //output the contents of the cookie array variable
?>

</body>
</html>
```

Output:

Array ([PHPSESSID] => 30macb65hcantmppt759tb57gs)

3. Write a program to upload image file with size less than 2MB.
Ans:

```php
<?php

if($_SERVER["REQUEST_METHOD"] == "POST"){
  $target_dir = "uploads/";
  $target_file = $target_dir . basename($_FILES["image"]["name"]);
  $imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));

  // Check if image file is a actual image or fake image
  $check = getimagesize($_FILES["image"]["tmp_name"]);
  if($check !== false) {
    // Check file size
    if ($_FILES["image"]["size"] > 2000000) {
      echo "Sorry, your file is too large.";
    } else {
      // Upload file
      if (move_uploaded_file($_FILES["image"]["tmp_name"], $target_file)) {
        echo "The file ". htmlspecialchars( basename( $_FILES["image"]["name"])). " has been uploaded.";
      } else {
        echo "Sorry, there was an error uploading your file.";
      }
    }
  } else {
    echo "File is not an image.";
  }
}
?>

<!DOCTYPE html>
<html>
<body>

<form method="post" enctype="multipart/form-data">
  <input type="file" name="image" accept="image/*">
  <input type="submit" value="Upload Image" name="submit">
</form>

</body>
</html>
```

Output:

4. Write PHP programs to

a. To print whether current year is leap year or not.

Ans:
```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible" content="IE=edge">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Leap year</title>

</head>

<body>

<?php

$year = date('Y'); // get current year

if ((($year % 4 == 0) && ($year % 100 != 0)) || ($year % 400 == 0)) {

    echo "$year is a leap year.";

} else {

    echo "$year is not a leap year.";

}

?>

</body>

</html>
```

Output:

localhost/php%20program/9.4.1.php

2023 is not a leap year.

b. **To print whether entered year is leap year or not.**

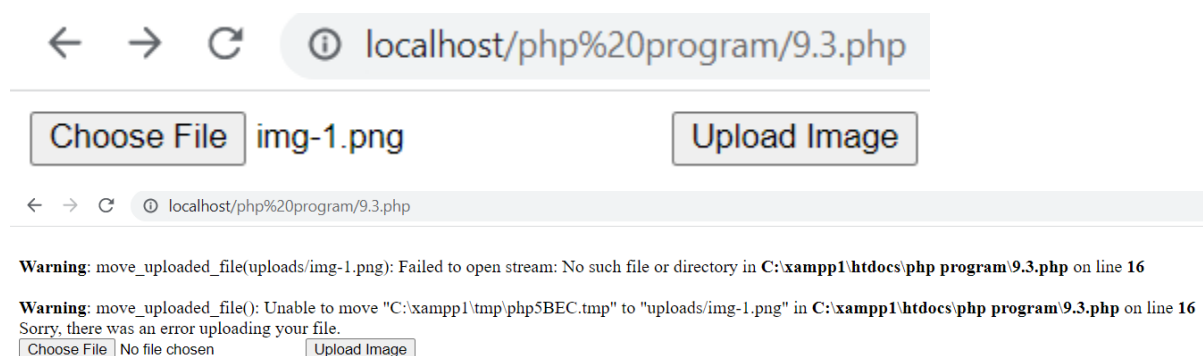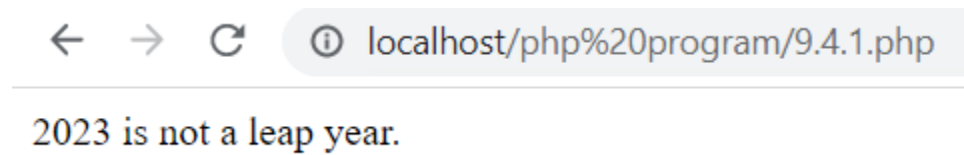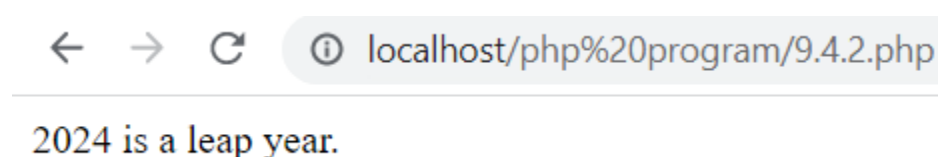**Ans:**

<!DOCTYPE html>

<html lang="en">

<head>

   <meta charset="UTF-8">

   <meta http-equiv="X-UA-Compatible" content="IE=edge">

   <meta name="viewport" content="width=device-width, initial-scale=1.0">

   <title>Leap year</title>

</head>

<body>

<?php

$year = 2024; // Replace with the year you want to check

if ($year % 4 == 0 && ($year % 100 != 0 || $year % 400 == 0)) {

   echo "$year is a leap year.";

} else {

   echo "$year is not a leap year.";

}

?>

</body>

</html>

Output:

localhost/php%20program/9.4.2.php

2024 is a leap year.

c. To print whether given number is odd or even.

Ans:
```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
<?php
$number = 7;
if ($number % 2 == 0) {
    echo "$number is even.";
} else {
    echo "$number is odd.";
}
?>
</body>
</html>
```

Output:

7 is odd.

Assignment 9

Develop small Database application with PHP with insert, update, delete and search record from database.

1. Write module using php and html to insert, delete and show employee info: id,name, job title, year of experience in employee table and output the information in ascending order of its experience.

Ans:

```
<html>

<head>

   <title>Employee Management</title>

</head>

<body>

   <h1>Employee Management</h1>

   <?php

   // Database connection details

   $host = 'localhost';

   $username = 'root';

   $password = '';

   $database = 'employee';


   // Create a database connection

   $conn = mysqli_connect($host, $username, $password, $database);


   // Check if the connection is successful

   if (!$conn) {

      die("Connection failed: " . mysqli_connect_error());

   }


   // Insert employee information

   if (isset($_POST['submit'])) {

      $name = $_POST['name'];

      $jobTitle = $_POST['job_title'];
```

```php
    $experience = $_POST['experience'];


    $sql = "INSERT INTO `employee` (`id`, `name`, `job_title`, `experience`) VALUES ('1', 'abc', 'SDE',
'8'), ('2', 'pqr', 'SDE', '5'), ('3', 'xyz', 'SDE', '10'), ('4', 'qqq', 'SDE', '15');";
  }


  // Delete employee information
  if (isset($_GET['delete'])) {
    $id = $_GET['delete'];
    $sql = "DELETE FROM employee WHERE id = 4";
  }


  // Retrieve and display employee information sorted by experience
  $sql = "SELECT * FROM employee ORDER BY experience ASC";
  $result = mysqli_query($conn, $sql);


  if (mysqli_num_rows($result) > 0) {
    echo "<table>
      <tr>
        <th>id</th>
        <th>name</th>
        <th>job_title</th>
        <th>experience</th>
      </tr>";


    while ($row = mysqli_fetch_assoc($result)) {
      echo "<tr>
        <td>{$row['id']}</td>
        <td>{$row['name']}</td>
        <td>{$row['job_title']}</td>
        <td>{$row['experience']}</td>
```

```
        </tr>";
    }

    echo "</table>";
} else {
    echo "No employees found.";
}


// Close the database connection
mysqli_close($conn);
?>
```

</body>
</html>

Output:

id	name	job_title	experience
1	abc	SDE	8
2	pqr	SDE	5
3	xyz	SDE	10

id	name	job_title	experience
2	pqr	SDE	5
1	abc	SDE	8
3	xyz	SDE	10

Assignment 10

Study and Implement AJAX, jQuery basic operation.

1. Write a program that retrieve the content from text file using Jquery & Ajax.

Ans:

```
<!DOCTYPE html>

<html>

<head>

    <title>Retrieve Text File Content</title>

    <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

    <h4>Text File Content</h4>

    <button id="retrieveBtn">Retrieve</button>

    <div id="contentDiv"></div>

    <script>

        $(document).ready(function() {

    $('#retrieveBtn').click(function() {

      $.ajax({

        url: 'textfile.txt',

        dataType: 'text',

        success: function(data) {

          $('#contentDiv').text(data);

        },

        error: function() {

          $('#contentDiv').text('Error occurred while retrieving the file.');
```

```
        }

    });

  });

});
```

  </script>

</body>

</html>

Output:

Text File Content

Retrieve

hello hello

2. Write a program that validate entered username from PHP array using AJAX.

Ans:

<!DOCTYPE html>

<html>

<head>

  <title>Username Validation</title>

  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>

</head>

<body>

  <h1>Username Validation</h1>

  <input type="text" id="username" placeholder="Enter username">

  <button id="validateBtn">Validate</button>

  <div id="message"></div>

```
<script>

    $(document).ready(function() {

        $('#validateBtn').click(function() {

            var username = $('#username').val();

            $.ajax({

                url: 'http://localhost/asgn8.php',

                method: 'POST',

                data: { username: username },

                success: function(response) {

                    $('#message').text(response);

                },

                error: function() {

                    $('#message').text('Error occurred while validating the username.');

                }

            });

        });

    });

</script>

</body>

</html>

<?php

$usernames = array("joe", "john", "moen", "harry");

if ($_SERVER["REQUEST_METHOD"] == "POST") {

  $username = $_POST["username"];

  if (in_array($username, $usernames)) {
```

```
        echo "Username is already taken.";

    } else {

        echo "Username is available.";

    }

}

?>
```

Output:

Username Validation

a | Validate

Username is available.

Assignment 11

Mini Project Using HTML, CSS,JS and PHP.

Ans:

Contact Form

index.html

```html
<!DOCTYPE html>
<html>
<head>
   <title>Contact Form</title>
   <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
   <div class="container">
      <h1>Contact Form</h1>
      <form action="send_email.php" method="post">
        <label for="name">Name</label>
        <input type="text" name="name" id="name" required>

        <label for="email">Email</label>
        <input type="email" name="email" id="email" required>

        <label for="message">Message</label>
        <textarea name="message" id="message" required></textarea>

        <input type="submit" value="Send">
      </form>
   </div>
</body>
</html>
```

style.css

```css
.container {
   max-width: 400px;
   margin: 0 auto;
   padding: 20px;
   background-color: #f2f2f2;
   border-radius: 5px;
}

h1 {
   text-align: center;
}

label {
   display: block;
```

```
   margin-top: 10px;
}

input[type="text"],
input[type="email"],
textarea {
   width: 100%;
   padding: 5px;
   margin-top: 5px;
   border: 1px solid #ccc;
   border-radius: 3px;
}

input[type="submit"] {
   width: 100%;
   padding: 10px;
   margin-top: 10px;
   background-color: #4CAF50;
   color: #fff;
   border: none;
   border-radius: 3px;
   cursor: pointer;
}

input[type="submit"]:hover {
   background-color: #45a049;
}
```

send_email.php

```php
<?php
if(isset($_POST['submit'])){
   $name = $_POST['name'];
   $email = $_POST['email'];
   $message = $_POST['message'];

   $to = "prachipm256@gmail.com";
   $subject = "New Contact Form Submission";
   $body = "Name: $name\nEmail: $email\nMessage: $message";

   if(mail($to, $subject, $body)){
      echo "<h1>Thank you for contacting us!</h1>";
   } else {
      echo "<h1>Sorry, there was an error sending your message.</h1>";
   }
}
?>
```

Output :