_____

Question1:

Index.html:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Faculty Data</title>
</head>
<body>
    <h1>Faculty Data</h1>
    <form method="post" action="insert.php">
        <label for="first_name">First Name:</label><br>
        <input type="text" id="first_name" name="first_name" required><br>

        <label for="last_name">Last Name:</label><br>
        <input type="text" id="last_name" name="last_name" required><br>

        <label for="title">Title:</label><br>
        <input type="text" id="title" name="title" required><br>

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

        <label for="office">Office:</label><br>
        <input type="text" id="office" name="office" required><br>

        <label for="telephone_extension">Telephone Extension:</label><br>
        <input type="text" id="telephone_extension" name="telephone_extension"
required><br>

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

Insert.php:

```php
<?php
if ($_SERVER['REQUEST_METHOD'] == 'POST') {
    $first_name = $_POST['first_name'];
    $last_name = $_POST['last_name'];
    $title = $_POST['title'];
    $email = $_POST['email'];
    $office = $_POST['office'];
    $telephone_extension = $_POST['telephone_extension'];

    if (empty($first_name) || empty($last_name) || empty($title) ||
empty($email) || empty($office) || empty($telephone_extension)) {
        echo "Error: All fields are required.";
    } else {
        // Insert data into faculty table
    }
}
?>
```


Faculty Data

First Name:
Santhosh
Last Name:
Ramavath
Title:
Mr
Email:
rs22mcf1r40@student.nitw.a
Office:
Google
Telephone Extension:
+919705134636
Submit

Question2:

Index.html:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Age Verification</title>
</head>
<body>
    <h1>Enter Your Name and Age</h1>
```

```html
    <form action="verify.php" method="post">
        <label>Name:</label>
        <input type="text" name="name" required><br><br>
        <label>Age:</label>
        <input type="number" name="age" required><br><br>
        <input type="submit" value="Submit">
    </form>
</body>
</html>
```

Verify.php:

```php
<!DOCTYPE html>
<html>
<head>
    <title>Age Verification Result</title>
</head>
<body>
    <?php
        if ($_POST['age'] < 18) {
            echo "Hello " . $_POST['name'] . ", you are not authorized to
visit this site.";
        } else {
            echo "Welcome " . $_POST['name'] . " to this site.";
        }
    ?>
</body>
</html>
```


Question3:

```html
<!DOCTYPE html>
<html>
  <body>
```

```php
    <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
      Name: <input type="text" name="pname"><br>
      Age: <input type="text" name="page"><br>
      <input type="submit" name="submit" value="Submit">
    </form>

    <?php
      if ($_SERVER["REQUEST_METHOD"] == "POST") {
        // collect value of input field
        $name = $_POST['pname'];
        $age = $_POST['page'];
        if (empty($name) || empty($age)) {
          echo "Name or Age is empty";
        } else {
          if ($age < 18) {
            echo "Hello $name, you are not authorized to visit this site";
          } else {
            echo "Welcome $name to this site";
          }
        }
      }
    ?>
  </body>
</html>
```


Question4:

```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>

<body>
    <form method="post" action="<?php echo
htmlspecialchars($_SERVER["PHP_SELF"]);?>">
```

```php
        Number 1: <input type="text" name="num1"><br>
        Number 2: <input type="text" name="num2"><br>
        Operator: <input type="text" name="operator"><br>
        <input type="submit" name="submit" value="Submit">
    </form>

    <?php
        if ($_SERVER["REQUEST_METHOD"] == "POST") {
            // collect value of input field
            $num1 = $_POST['num1'];
            $num2 = $_POST['num2'];
            $operator = $_POST['operator'];
            if (empty($num1) || empty($num2) || empty($operator)) {
                echo "Number 1 or Number 2 or Operator is empty";
            } else {
                switch ($operator) {
                    case "+":
                        echo $num1 + $num2;
                        break;
                    case "-":
                        echo $num1 - $num2;
                        break;
                    case "*":
                        echo $num1 * $num2;
                        break;
                    case "/":
                        echo $num1 / $num2;
                        break;
                    case "%":
                        echo $num1 % $num2;
                        break;
                    default:
                        echo "Invalid operator";
                }
            }
        }
    ?>
  </body>
</body>
</html>
```
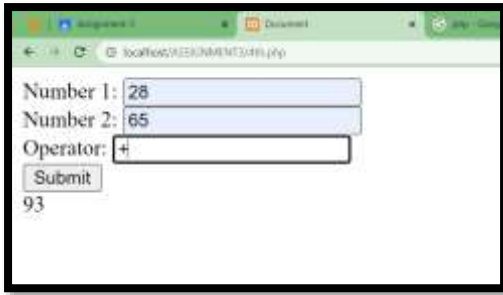
Question5:

Display details:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Cookie Example</title>
    <style>
        table {
            border-collapse: collapse;
            width: 100%;
        }
        th, td {
            text-align: left;
            padding: 8px;
            border-bottom: 1px solid #ddd;
        }
        th {
            background-color: #4CAF50;
            color: white;
        }
    </style>
</head>
<body>
    <?php
        // Set cookies
        setcookie("name", "John Doe", time() + (86400 * 30), "/"); // expires
in 30 days
        setcookie("age", "30", time() + (86400 * 30), "/"); // expires in 30
days

        // Display cookie details
        echo "<h1>Cookie Details</h1>";
        echo "<table>";
        echo
"<tr><th>Name</th><th>Value</th><th>Domain</th><th>Path</th><th>Expires</th><t
h>Secure</th><th>HTTP Only</th></tr>";
        foreach ($_COOKIE as $name => $value) {
```

```php
            echo "<tr>";
            echo "<td>$name</td>";
            echo "<td>$value</td>";
            echo "<td>" . $_SERVER['SERVER_NAME'] . "</td>";
            echo "<td>/</td>";
            echo "<td>" . date('Y-m-d H:i:s', time() + (86400 * 30)) .
"</td>";
            echo "<td>False</td>";
            echo "<td>True</td>";
            echo "</tr>";
        }
        echo "</table>";
    ?>
</body>
</html>
```

Enterdetails:

```php
<!DOCTYPE html>
<html>
<head>
    <title>Cookie Example</title>
</head>
<body>
    <h1>Create Cookie</h1>
    <form method="POST">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name"><br><br>
        <label for="value">Value:</label>
        <input type="text" id="value" name="value"><br><br>
        <button type="submit" name="submit">Create Cookie</button>
    </form>
    <?php
        if(isset($_POST['submit'])) {
            // Get input values
            $name = filter_var($_POST['name'], FILTER_SANITIZE_STRING);
            $value = $_POST['value'];

            // Set cookie
            setcookie($name, $value, time() + (86400 * 30), "/"); // expires
in 30 days

            // Display message
            echo "<p>Cookie created successfully!</p>";
        }
    ?>
</body>
```
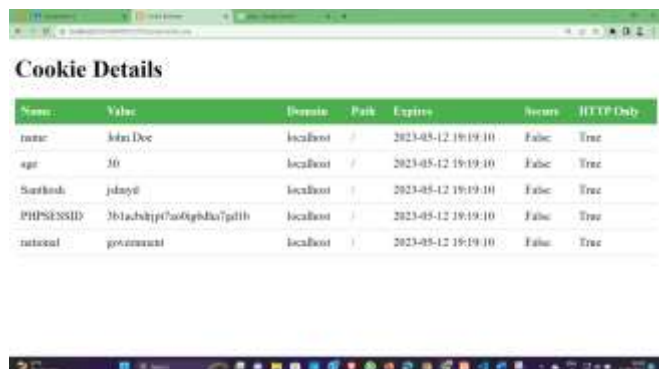
```html
</html>
```


Question6:

```php
<!DOCTYPE html>
<html>
<head>
    <title>Session Example</title>
</head>
<body>
    <h1>Session Example</h1>
    <form method="POST">
        <label for="id">ID:</label>
        <input type="text" id="id" name="id"><br><br>
        <label for="firstName">First Name:</label>
        <input type="text" id="firstName" name="firstName"><br><br>
        <label for="lastName">Last Name:</label>
        <input type="text" id="lastName" name="lastName"><br><br>
        <label for="email">Email:</label>
        <input type="email" id="email" name="email"><br><br>
        <button type="submit" name="submit">Create Session</button>
    </form>
    <?php
        // Start session
        session_start();

        if(isset($_POST['submit'])) {
            // Get input values
            $id = $_POST['id'];
            $firstName = $_POST['firstName'];
            $lastName = $_POST['lastName'];
            $email = $_POST['email'];
```

```php
        // Set session variables
        $_SESSION['id'] = $id;
        $_SESSION['firstName'] = $firstName;
        $_SESSION['lastName'] = $lastName;
        $_SESSION['email'] = $email;

        // Display message
        echo "<p>Session created successfully!</p>";
    }

    // Display session variables
    if(isset($_SESSION['id']) && isset($_SESSION['firstName']) &&
isset($_SESSION['lastName']) && isset($_SESSION['email'])) {
        echo "<h2>Session Details</h2>";
        echo "<p>ID: " . $_SESSION['id'] . "</p>";
        echo "<p>First Name: " . $_SESSION['firstName'] . "</p>";
        echo "<p>Last Name: " . $_SESSION['lastName'] . "</p>";
        echo "<p>Email: " . $_SESSION['email'] . "</p>";
    }
    ?>
</body>
</html>
```
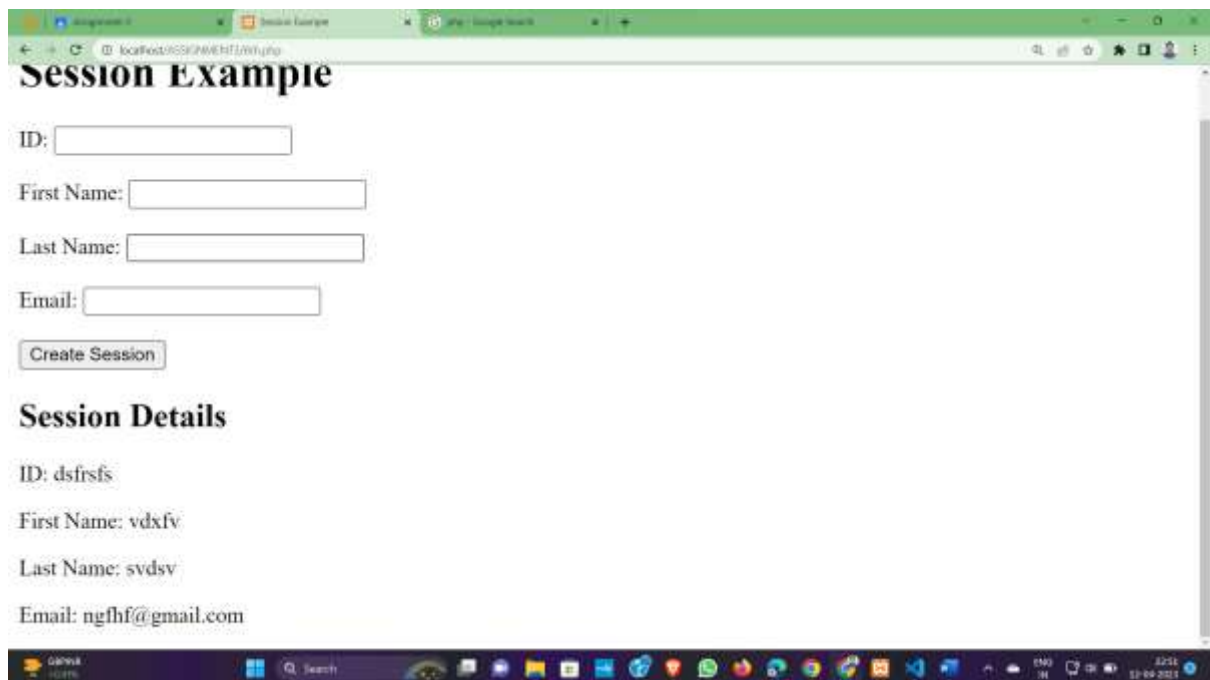

Question7:

Four files are there: 1. Login.php 2.login_process.php   3.register.php   4.register_process

```html
<!DOCTYPE html>
```

```html
<html>
<head>
    <title>Login Page</title>
</head>
<body>
    <h2>Login Page</h2>
    <form method="post" action="login_process.php">
        <label>Name:</label>
        <input type="text" name="name" required><br><br>
        <label>Password:</label>
        <input type="password" name="password" required><br><br>
        <input type="submit" name="submit" value="Login">
    </form>
</body>
</html>
```

```php
<?php
session_start();
$dbhost = "localhost"; // Enter your database host
$dbuser = "username"; // Enter your database username
$dbpass = "password"; // Enter your database password
$dbname = "database"; // Enter your database name
$conn = mysqli_connect($dbhost, $dbuser, $dbpass, $dbname);
if(!$conn){
    die("Connection failed: " . mysqli_connect_error());
}
$name = $_POST['name'];
$password = $_POST['password'];
$sql = "SELECT * FROM users WHERE name='$name'";
$result = mysqli_query($conn, $sql);
if(mysqli_num_rows($result) > 0){
    $row = mysqli_fetch_assoc($result);
    if($row['password'] == $password){
        $_SESSION['name'] = $row['name'];
        $_SESSION['password'] = $row['password'];
        echo "Welcome " . $row['fullname'];
    }
    else{
        echo "Password mismatch";
    }
}
else{
    $_SESSION['name'] = $name;
    $_SESSION['password'] = $password;
    header('Location: register.php');
```

```php
}
?>
```

```html
<!DOCTYPE html>
<html>
<head>
    <title>Registration Page</title>
</head>
<body>
    <h2>Registration Page</h2>
    <form method="post" action="register_process.php">
        <label>Full Name:</label>
        <input type="text" name="fullname" required><br><br>
        <input type="submit" name="submit" value="Register">
    </form>
</body>
</html>
```

```php
<?php
session_start();
$dbhost = "localhost"; // Enter your database host
$dbuser = "username"; // Enter your database username
$dbpass = "password"; // Enter your database password
$dbname = "database"; // Enter your database name
$conn = mysqli_connect($dbhost, $dbuser, $dbpass, $dbname);
if(!$conn){
    die("Connection failed: " . mysqli_connect_error());
}
$name = $_SESSION['name'];
$password = $_SESSION['password'];
$fullname = $_POST['fullname'];
$sql = "INSERT INTO users (name, password, fullname) VALUES ('$name',
'$password', '$fullname')";
if(mysqli_query($conn, $sql)){
    echo "Registration Successful";
}
else{
    echo "Error: " . mysqli_error($conn);
}
mysqli_close($conn);
?>
```
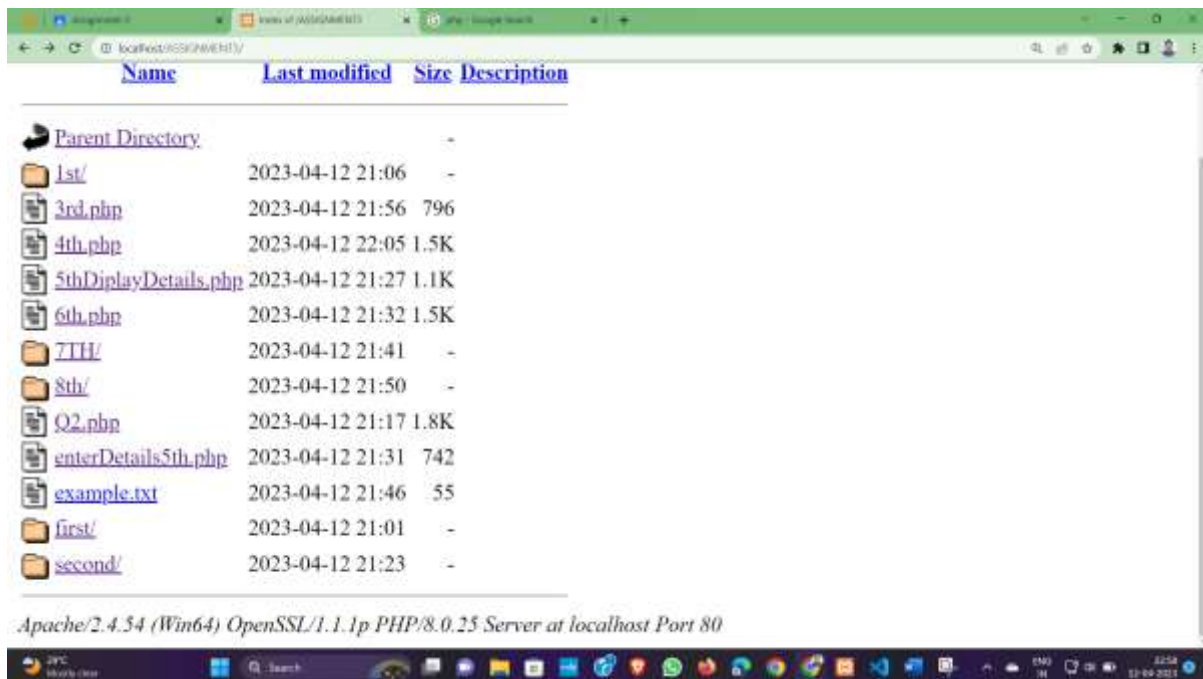
Question8:

```php
<?php
// specify the file name and location
$filename = "example.txt";
$file = fopen($filename, "w");

// write some data to the file
$data = "This is some example data that we'll write to the file.HP is a
general-purpose scripting language geared toward web development. It was
originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993 and
released in 1995. The PHP reference implementation is now produced by The PHP
Group. Wikipedia
Developer: The PHP Development Team, Zend Technologies, PHP Foundation
Designed by: Rasmus Lerdorf
OS: Unix-like, Windows, macOS, IBM i, OpenVMS
Paradigm: Multi-paradigm: imperative, functional, object-oriented, procedural,
reflective
First appeared: June 8, 1995; 27 years ago
Implementation language: C (primarily; some components C++)";
fwrite($file, $data);

// close the file
fclose($file);

// open the file again and display its contents
$file = fopen($filename, "r");
echo fread($file, filesize($filename));
fclose($file);
?>
```

This is some example data that we'll write to the file.HP is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1993 and released in 1995. The PHP reference implementation is now produced by The PHP Group. Wikipedia Developer: The PHP Development Team, Zend Technologies, PHP Foundation Designed by: Rasmus Lerdorf OS: Unix-like, Windows, macOS, IBM i, OpenVMS Paradigm: Multi-paradigm: imperative, functional, object-oriented, procedural, reflective First appeared: June 8, 1995; 27 years ago Implementation language: C (primarily; some components C++)

Name	Last modified	Size	Description
Parent Directory		-	
1st/	2023-04-12 21:06	-	
3rd.php	2023-04-12 21:56	796	
4th.php	2023-04-12 22:05	1.5K	
5thDiplayDetails.php	2023-04-12 21:27	1.1K	
6th.php	2023-04-12 21:32	1.5K	
7TH/	2023-04-12 21:41	-	
8th/	2023-04-12 21:50	-	
Q2.php	2023-04-12 21:17	1.8K	
enterDetails5th.php	2023-04-12 21:31	742	
example.txt	2023-04-12 21:46	55	
first/	2023-04-12 21:01	-	
second/	2023-04-12 21:23	-	

Apache/2.4.54 (Win64) OpenSSL/1.1.1p PHP/8.0.25 Server at localhost Port 80