1) Design a web page that displays your resume with your photograph (without using tables), in a neat format. Use internal CSS to format the content

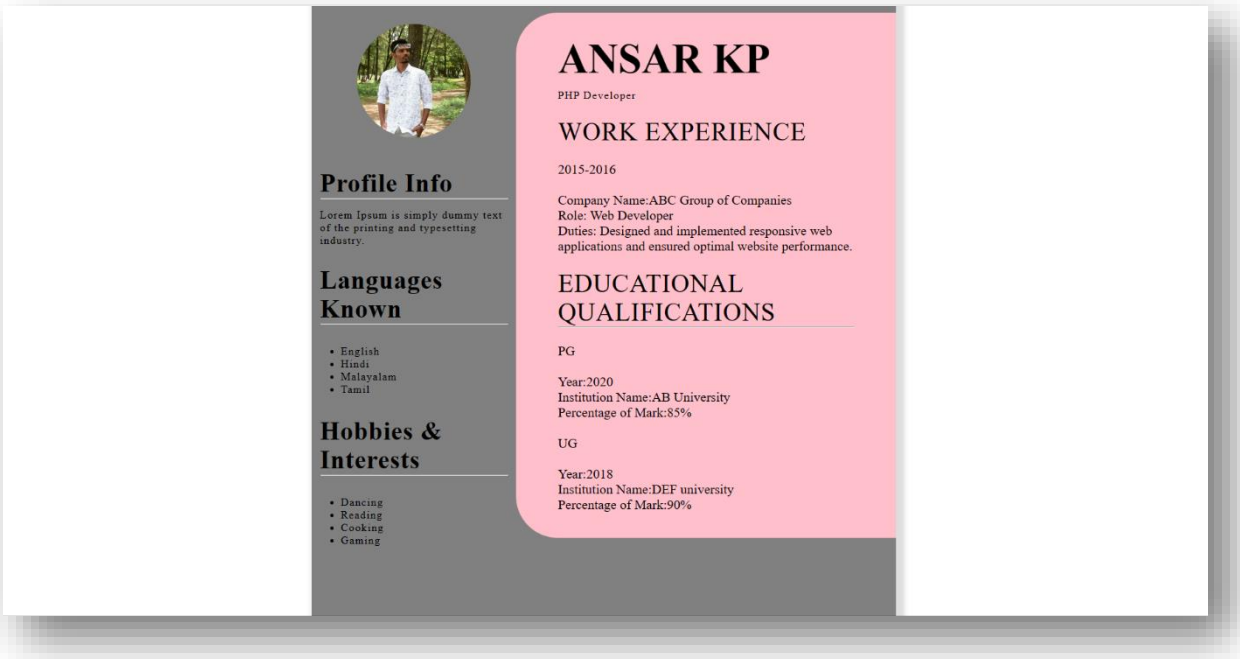
```
<!DOCTYPE html>
<html>

<head>
    <style>
        * {
    margin: 0px;
    padding: 0px;
    box-sizing: border-box;
}

.resume-main {
    width: 700px;
    height: 800px;
    margin: 50px auto;
    box-shadow: 5px 5px 5px 5px #54585d33;
    background-color: gray;
}

.left-box {
    width: 35%;
    float: left;
    height: 700px;
}

.right-box {
    width: 65%;
    float: left;
    background-color: pink;
    height: 700px;
    margin: 50px 0px;
    border-radius: 50px 0px 0px 50px;
    padding: 30px 50px;
}

.profile {
    width: 150px;
    height: 150px;
    padding: 7px;
    border-radius: 50%;
```

```
    margin: 20px auto;
}

.profile img {
    width: 100%;
    border-radius: 50%;
}

.content-box {
    font-weight: 500;
    letter-spacing: 1px;
    font-size: 20px;
    padding: 10px;
}

.p1 {
    font-size: 13px;
    letter-spacing: 1px;
    padding-top: 12px;
}

.ul {
    list-type: circle;
    padding: 25px;
    font-size: 13px;
}

h1 {
    font-size: 50px;
    text-transform: uppercase;
    line-height: 50px;
}

.heading {
    text-transform: uppercase;
    font-weight: 500;
    letter-spacing: 1px;
    font-size: 30px;
}
    </style>
</head>

<body>
    <div class="resume-main">
        <div class="left-box">
            <br><br>
            <div class="profile">
                <img src="akk.jpg">
```

```
            </div>
            <div class="content-box">
                <h2>Profile Info</h2>
                <hr>
                <p class="p1">Lorem Ipsum is simply dummy text of the printing and
typesetting
                    industry.</p><br>
                <h2>Languages Known</h2>
                <hr>
                <ul class="ul">
                    <li>English</li>
                    <li>Hindi</li>
                    <li>Malayalam</li>
                    <li>Tamil</li>
                </ul>
                <h2>Hobbies & Interests</h2>
                <hr>
                <ul class="ul">
                    <li>Dancing</li>
                    <li>Reading</li>
                    <li>Cooking</li>
                    <li>Gaming</li>
                </ul>
            </div>
        </div>
        <div class="right-box">
            <h1>
                ANSAR
                <span>KP</span>
            </h1>
            <p class="p1">PHP Developer</p>
            <br>
            <h2 class="heading">Work Experience</h2>
            <br>
            <div>
                <p>2015-2016</p><br>
                <span>Company Name:ABC Group of Companies</span><br>
                <span>Role: Web Developer</span><br>
                <span>Duties: Designed and implemented responsive web applications
and ensured optimal website performance.</span>
            </div><br>
            <h2 class="heading">Educational Qualifications</h2>
            <hr>
            <br>
            <div>
                <p>PG</p><br>
                <span>Year:2020</span><br>
                <span>Institution Name:AB University</span><br>
```

```
                <span>Percentage of Mark:85%</span><br><br>
                <p>UG</p><br>
                <span>Year:2018</span><br>
                <span>Institution Name:DEF university</span><br>
                <span>Percentage of Mark:90%</span><br>
            </div>
        </div>
    </div>
</body>

</html>
```

Output:



2) Design a webpage to invert the behavior of the <h1> to <h6> tags using external CSS. Use internal style definitions to add border colors green, red and blue to h1, h2 and h3 elements respectively. Use inline style definitions to change font colors of h4, h5 and h6 elements as green, red and blue respectively.

Heading.html:

```
<!DOCTYPE html>
<html>

<head>
    <link type="text/css" rel="stylesheet" href="p2.css" />
    <style>
        h1 {
            border-width: 3px;
            border-style: solid;
            border-color: green;
        }

        h2 {
            border-width: 3px;
            border-style: solid;
            border-color: red;
        }

        h3 {
            border-width: 3px;
            border-style: solid;
            border-color: blue;
        }
    </style>
</head>

<body>
    <h1>Heading 1</h1>
    <h2>Heading 2</h2>
    <h3>Heading 3</h3>
    <h4 style="color:green; border-width: 3px; border-style: solid; border-color:
green;">Heading 4</h4>
    <h5 style="color:red; border-width: 3px; border-style: solid; border-color:
red;">Heading 5</h5>
    <h6 style="color:blue;border-width: 3px; border-style: solid;border-color:
blue;">Heading 6</h6>
</body>

</html>
```

P2.css:

```css
h1 {
    display: block;
    font-size: .67em;
    margin-top: 2.33em;
    margin-bottom: 2.33em;
    margin-left: 0;
    margin-right: 0;
    font-weight: bold;
}

h2 {
    display: block;
    font-size: .83em;
    margin-top: 1.67em;
    margin-bottom: 1.67em;
    margin-left: 0;
    margin-right: 0;
    font-weight: bold;
}

h3 {
    display: block;
    font-size: 1em;
    margin-top: 1.33em;
    margin-bottom: 1.33em;
    margin-left: 0;
    margin-right: 0;
    font-weight: bold;
}

h4 {
    display: block;
    font-size: 1.17em;
    margin-top: 1em;
    margin-bottom: 1em;
    margin-left: 0;
    margin-right: 0;
    font-weight: bold;
}

h5 {
    display: block;
    font-size: 1.5em;
    margin-top: 0.83em;
    margin-bottom: 0.83em;
    margin-left: 0;
    margin-right: 0;
    font-weight: bold;
```

```
}

h6 {
    display: block;
    font-size: 2em;
    margin-top: 0.67em;
    margin-bottom: 0.67em;
    margin-left: 0;
    margin-right: 0;
    font-weight: bold;
}
```

Output:

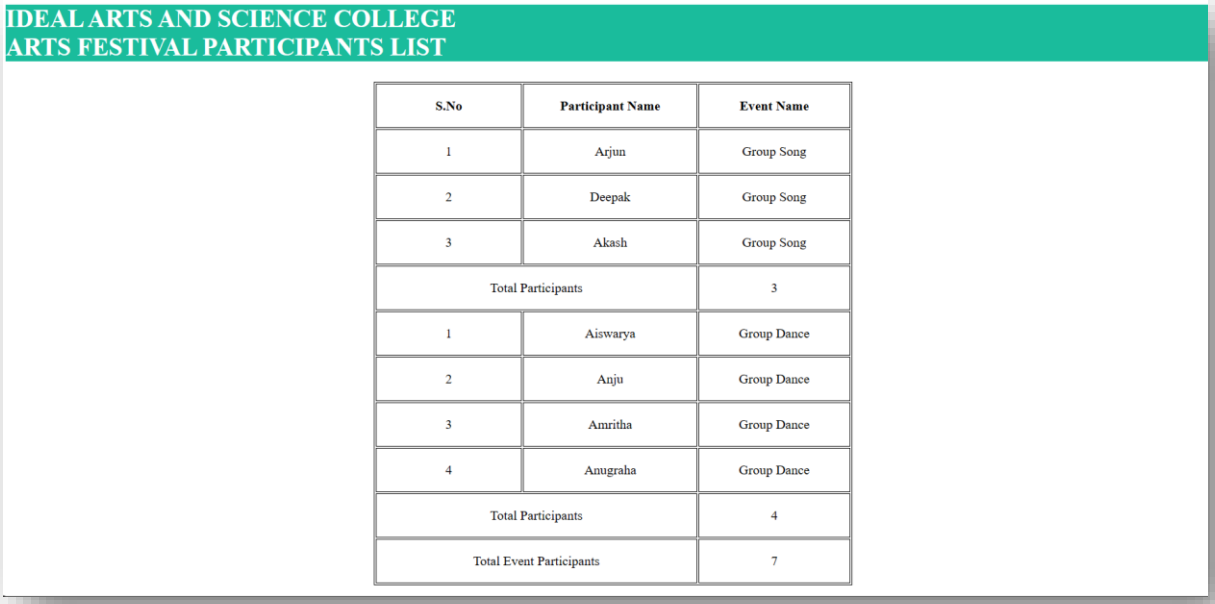
3) Design a table that displays the details of participants in the arts festival of your college in a table format. Format the table using CSS. The table should include rows that display the number of participants for each event just below the rows for a particular event, and the grand total of the number of all participants for all events as the last row. The table should have appropriate column headings and page should include proper headings.

Participants.html:

```
<!DOCTYPE html>
<html>

<head>
    <style>
        table,
        th,
        td {
            border: 1px solid;
            text-align: center;
            height: 50px;
            width: 580px;
        }

        h2 {
            text-align: center;
            background: #1abc9c;
            color: white;
            font-size: 30px;
        }
    </style>
</head>

<body>
    <h2>IDEAL ARTS AND SCIENCE COLLEGE <br>ARTS FESTIVAL PARTICIPANTS
        LIST</h2>
    <table align=center>
        <tr>
            <th>S.No</th>
            <th>Participant Name</th>
            <th>Event Name</th>
        </tr>
        <tr>
            <td>1</td>
            <td>Arjun</td>
            <td>Group Song</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Deepak</td>
            <td>Group Song</td>
        </tr>
        <tr>
            <td>3</td>
            <td>Akash</td>
            <td>Group Song</td>
```

```
        </tr>
        <tr>
            <td colspan="2">Total Participants</td>
            <td>3</td>
        </tr>
        <tr>
            <td>1</td>
            <td>Aiswarya</td>
            <td>Group Dance</td>
        </tr>
        <tr>
            <td>2</td>
            <td>Anju</td>
            <td>Group Dance</td>
        </tr>
        <tr>
            <td>3</td>
            <td>Amritha</td>
            <td>Group Dance</td>
        </tr>
        <tr>
            <td>4</td>
            <td>Anugraha</td>
            <td>Group Dance</td>
        </tr>
        <tr>
            <td colspan="2">Total Participants</td>
            <td>4</td>
        </tr>
        <tr>
            <td colspan="2">Total Event Participants</td>
            <td>7</td>
        </tr>
    </table>
</body>

</html>
```

Output:



IDEAL ARTS AND SCIENCE COLLEGE
ARTS FESTIVAL PARTICIPANTS LIST

S.No	Participant Name	Event Name
1	Arjun	Group Song
2	Deepak	Group Song
3	Akash	Group Song
Total Participants		3
1	Aiswarya	Group Dance
2	Anju	Group Dance
3	Amritha	Group Dance
4	Anugraha	Group Dance
Total Participants		4
Total Event Participants		7

Javascript programming:

1) Write a JavaScript program to perform find the area and circumference of a Circle

```
<!DOCTYPE html>
<html>

<head>
    <title>Find the area and circumference of a circle</title>
</head>

<body>
    <script language="JavaScript">
        function CalculateArea() {
            var radius = form1.txtRadius.value;
            document.write("The area of the circle is " + (radius * radius * Math.PI) + "<br>");
            document.write("The circumference of the circle is " + (2 * radius * Math.PI) +
                "<br>");
        }
    </script>
    <form name="form1">
        Enter the radius of circle:
        <input type="text" name="txtRadius" size=10>
```

```
        <br>
        <input type="button" value="Calculate" onClick=CalculateArea()>
    </form>
</body>

</html>
```

Output:

Enter the radius of circle: 10

Calculate

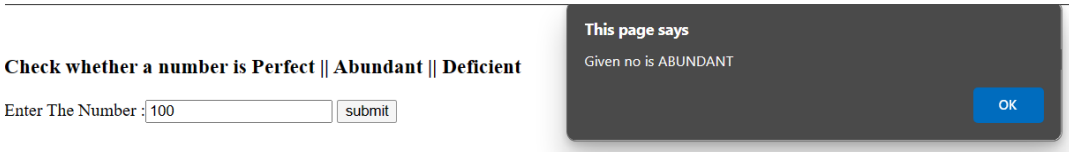
The area of the circle is 314.1592653589793
The circumference of the circle is 62.83185307179586

2) Write a JavaScript program to check whether a given number is perfect, abundant or deficient. Use alert box to display the output.

```
<!DOCTYPE html>
<html>
<head>
    <script>
        function completeNumber() {
            var v, input, count = 0, i;
            input = Number(document.getElementById("N").value);
            v = input;
            var count = 0;
            for (var i = 1; i < input; i++) {
                if (input % i == 0) {
                    count = count + i;
                }
            }
            if (count == v) {
                alert("Given no is PERFECT");
            } else if (count < v) {
                alert("Given no is DEFICIENT");
            } else if (count > v) {
                alert("Given no is ABUNDANT");
            }
        }
    </script>
```

```
</head>

<body>
    <br>
    <h3>Check whether a number is Perfect || Abundant || Deficient</h3>
    Enter The Number :<input type="text" name="n" id="N" />
    <button onClick=completeNumber()>submit</button>
</body>

</html>
```

Output:



SS

3) Write JavaScript code to generate and display the Nth prime number (value of N should be read as input from the user). Validate the value entered by the user: Only positive numbers except 0 are to be accepted.

```
2) <!DOCTYPE html>
3) <html>
4)
5) <head>
6)     <title>JavaScript Prime</title>
7) </head>
8)
9) <body>
10)     <script>
11)         function generateprime() {
12)             const findPrime = num => {
13)                 let i, primes = [2, 3], n = 5;
14)                 const isPrime = n => {
15)                     let i = 1, p = primes[i],
16)                         limit = Math.ceil(Math.sqrt(n));
17)                     while (p <= limit) {
18)                         if (n % p === 0) {
19)                             return false;
20)                         }
21)                         i += 1;
```

```
                        p = primes[i];
                    }
                    return true;
                }
                for (i = 2; i <= num; i += 1) {
                    while (!isPrime(n)) {
                        n += 2;
                    }
                    primes.push(n);
                    n += 2;
                };
                return primes[num - 1];
            }
            var r = form1.inputvalue.value;
            document.write(r + "th prime number is= " + findPrime(r));
        }
    </script>
    <form name="form1">
        Input value: <input type="text" name="inputvalue" id="inputvalue" />
        <button onclick="generateprime()">Click here to find Nth prime
   number</button>
        <div id="returnValue"></div>
    </form>
</body>

</html>
```

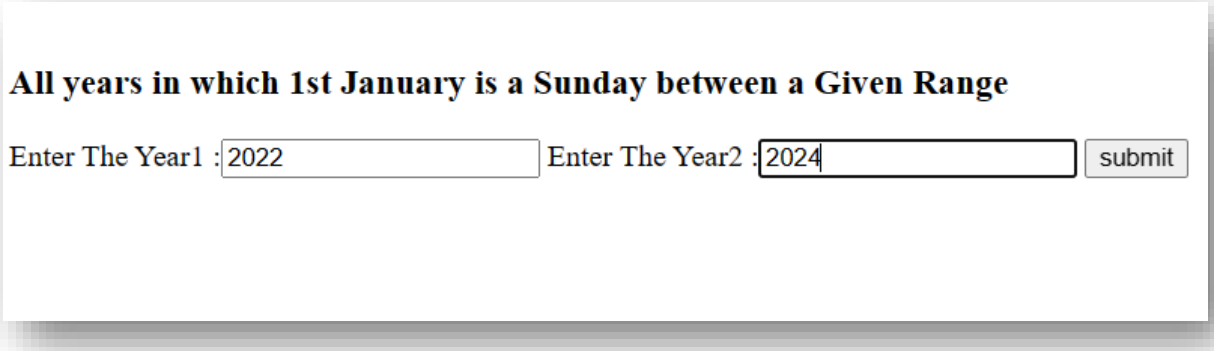
Output:

4) Write a JavaScript program to find all years in which 1st January is a Sunday between a given range (eg:- between 2010 and 2017).

```
<!DOCTYPE html>

<html>
```

```
<head>
    <title>year</title>
</head>

<body>
    <script type="text/javascript">
        function year() {
            var input1, input2;
            input1 = Number(document.getElementById("n1").value);
            input2 = Number(document.getElementById("n2").value);
            document.write("<br>Years in which 1st January is being a Sunday are");
            if (input1 > input2) {
                document.write("<br>Enter Valid Inputs");
            } else {
                for (var year = input1; year <= input2; year++) {
                    var d = new Date(year, 0, 1);
                    if (d.getDay() === 0) document.write("<br>" + year);
                }
            }
        }

    </script>
    <br>
    <h3>All years in which 1st January is a Sunday between a Given Range</h3>
    Enter The Year1 :<input type="text" name="n1" id="n1" />
    Enter The Year2 :<input type="text" name="n2" id="n2" />
    <button onClick=year()>submit</button>
</body>

</html>
```

Output:



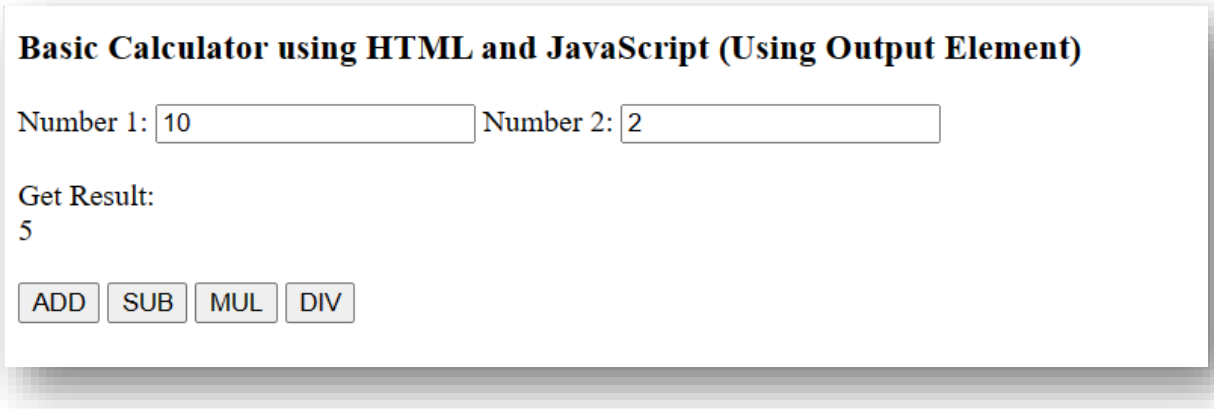
Years in which 1st January is being a Sunday are
2023

5) Design a form that accepts two integers with four buttons with captions Add, Subtract, Multiply , Divide. Include JavaScript code to perform addition, subtraction, multiplication and division of the given numbers when these buttons are clicked. Use output element to display the results.

```
<!DOCTYPE html>
<html>

<head>
    <script language="javascript" type="text/javascript">
        function addition() {
            a = Number(document.my_cal.first.value);
            b = Number(document.my_cal.second.value);
            c = a + b;
            document.my_cal.sumresult.value = c;
        }
        function subtraction() {
            a = Number(document.my_cal.first.value);
            b = Number(document.my_cal.second.value);
            c = a - b;
            document.my_cal.sumresult.value = c;
        }
        function multiply() {
            a = Number(document.my_cal.first.value);
            b = Number(document.my_cal.second.value);
            c = a * b;
            document.my_cal.sumresult.value = c;
        }
        function division() {
            a = Number(document.my_cal.first.value);
            b = Number(document.my_cal.second.value);
            c = a / b;
            document.my_cal.sumresult.value = c;
        }
    </script>
</head>

<body>
```

```
    <h3>Basic Calculator using HTML and JavaScript (Using Output Element)</h3>
    <form name="my_cal">
        Number 1: <input type="text" name="first"> Number 2: <input type="text"
name="second"><br><br>
        Get Result:<br>
        <output name="sumresult"></output>
        <br><br>
        <input type="button" value="ADD" onclick="javascript:addition();">
        <input type="button" value="SUB" onclick="javascript:subtraction();">
        <input type="button" value="MUL" onclick="javascript:multiply();">
        <input type="button" value="DIV" onclick="javascript:division();">
    </form>
</body>

</html>
```

Output:

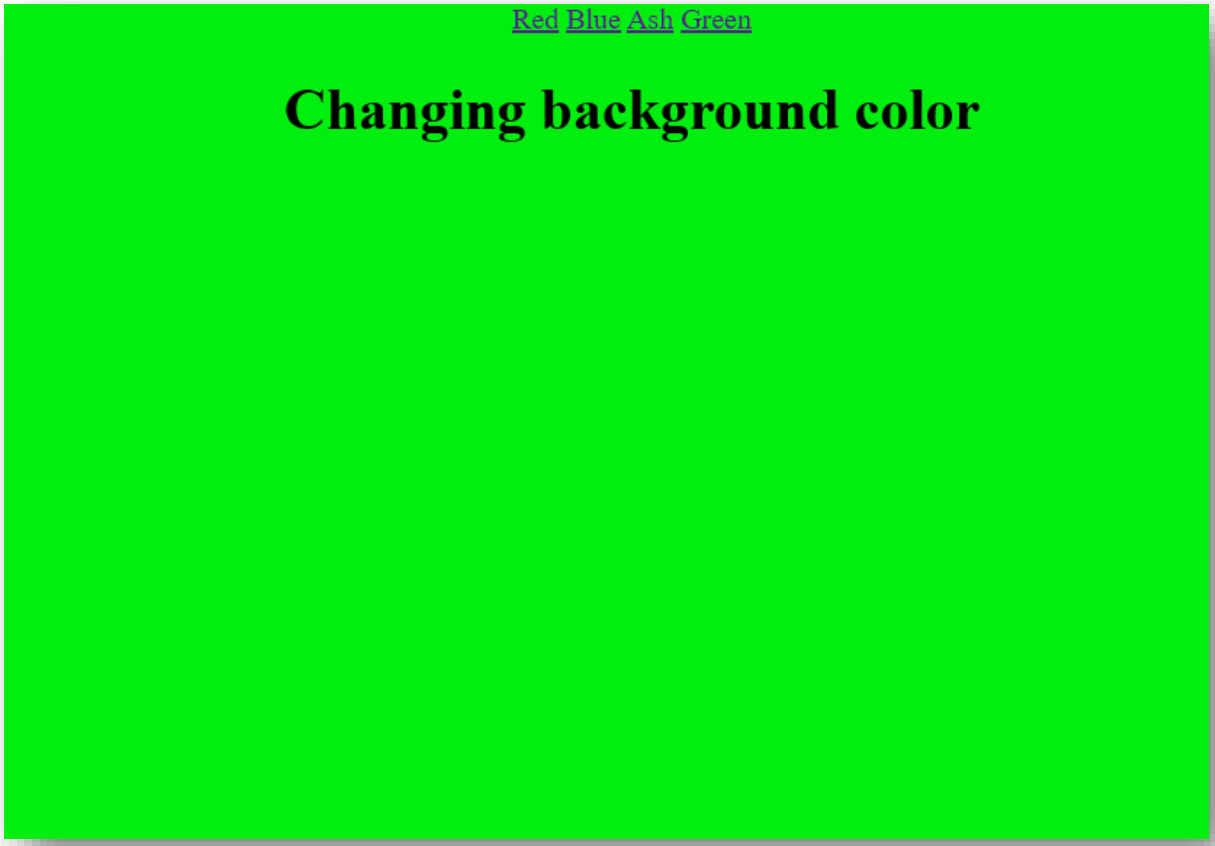


6) Write a JavaScript program to store different colors in an array and change the background color of the page using this array elements.

```
<!DOCTYPE html>
<html>

<head>
    <title>Color Change using Array</title>
</head>

<body>
    <script type="text/javascript">
        function myArray(n) {
            var backcolor = ["#00f00", "#ff0000", "#0000ff", "#cce"];
            document.bgColor = backcolor[n];
        }
```

```
    </script>
    <center>
        <a href="#" onmouseover="myArray(1)">Red</a>
        <a href="#" onmouseover="myArray(2)">Blue</a>
        <a href="#" onmouseover="myArray(3)">Ash</a>
        <a href="#" onmouseover="myArray(4)">Green</a>
        <h1>Changing background color</h1>
    </center>
</body>

</html>
```

Output:

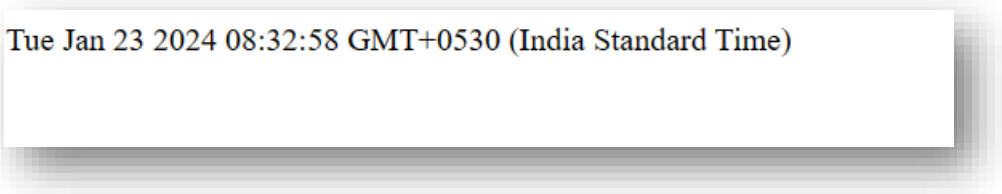


7) Design a webpage that displays a digital clock using JavaScript.

```
<!DOCTYPE html>
<html>

<head>
    <title>clock with timing event</title>
    <script type="text/javascript">
```

```
        function display_c() {
            var refresh = 1000;
            mytime = setTimeout('display_ct()', refresh)
        }
        function display_ct() {
            var x = new Date()
            document.getElementById('ct').innerHTML = x;
            display_c();
        }
    </script>
</head>

<body onload="display_ct();">
    <span id='ct'></span>
</body>

</html>
```

Output:



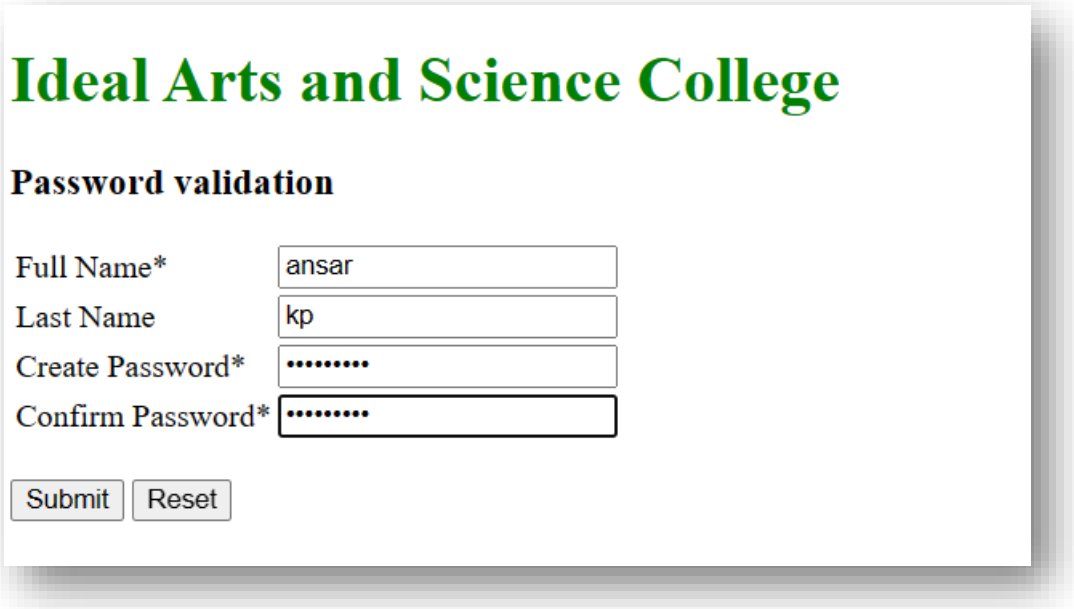
8) Write JavaScript code for form validation in a web page with the following form controls.

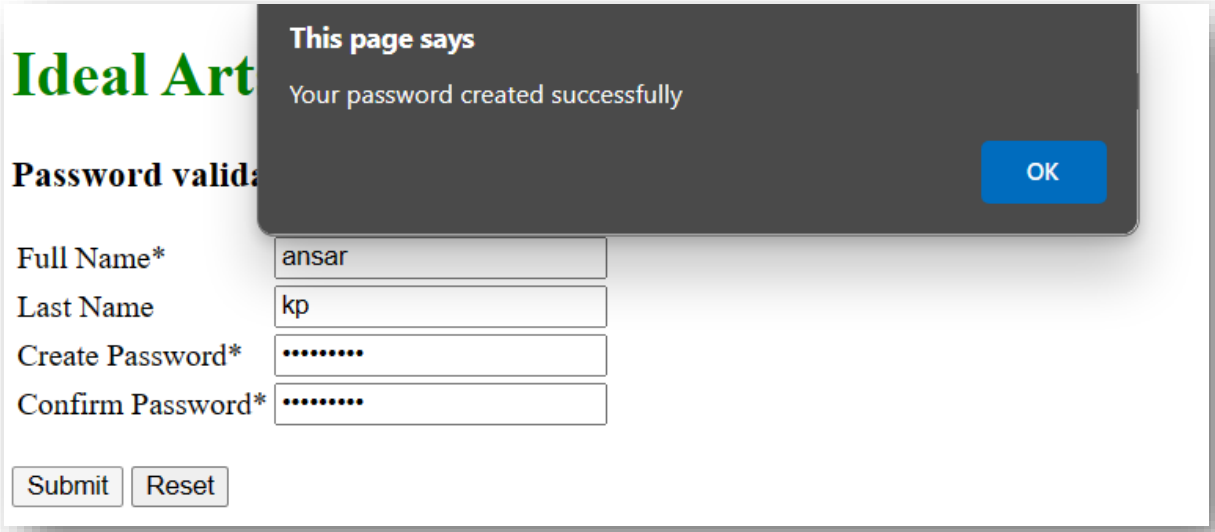
```
<!DOCTYPE html>
<html>

<head>
    <title>Validate the Password</title>
</head>

<body>
    <script>
        function validateForm() {
    var pw1 = document.getElementById("pswd1").value;
    var pw2 = document.getElementById("pswd2").value;
    var name1 = document.getElementById("fname").value;
    var name2 = document.getElementById("lname").value;

    if (name1 === "") {
        document.getElementById("blankMsg").innerHTML = "**Fill the first name";
        return false;
```

```
    }
    if (!isNaN(name1)) {
        document.getElementById("blankMsg").innerHTML = "**Only characters are
allowed";
        return false;
    }
    if (!isNaN(name2)) {
        document.getElementById("charMsg").innerHTML = "**Only characters are
allowed";
        return false;
    }
    if (pw1 === "") {
        document.getElementById("message1").innerHTML = "**Fill the password
please!";
        return false;
    }
    if (pw1.length < 8) {
        document.getElementById("message1").innerHTML = "**Password length must be
at least 8 characters";
        return false;
    }
    if (pw1.length > 15) {
        document.getElementById("message1").innerHTML = "**Password length must not
exceed 15 characters";
        return false;
    }
    if (pw1 !== pw2) {
        document.getElementById("message2").innerHTML = "**Passwords are not the
same";
        return false;
    } else {
        alert("Your password created successfully");
        return true; // Allow the form submission to proceed
    }
}

    </script>
    <h1 style="color:green">Ideal Arts and Science College</h1>
    <h3>Password validation</h3>
    <form onsubmit="return validateForm()">
        <table>
            <tr>
                <td>Full Name*</td>
                <td><input type="text" id="fname" value=""></td>
                <td><span id="blankMsg" style="color:red"></span></td>
            </tr>
            <tr>
                <td>Last Name</td>
```

```
            <td><input type="text" id="lname" value=""></td>
            <td><span id="charMsg" style="color:red"></span></td>
        </tr>
        <tr>
            <td>Create Password*</td>
            <td><input type="password" id="pswd1" value=""></td>
            <td><span id="message1" style="color:red"></span></td>
        </tr>
        <tr>
            <td>Confirm Password*</td>
            <td><input type="password" id="pswd2" value=""></td>
            <td><span id="message2" style="color:red"></span></td>
        </tr>
    </table>
    <br>
    <input type="submit" value="Submit">
    <button type="reset" value="Reset">Reset</button>
</form>
</body>

</html>
```

Output:





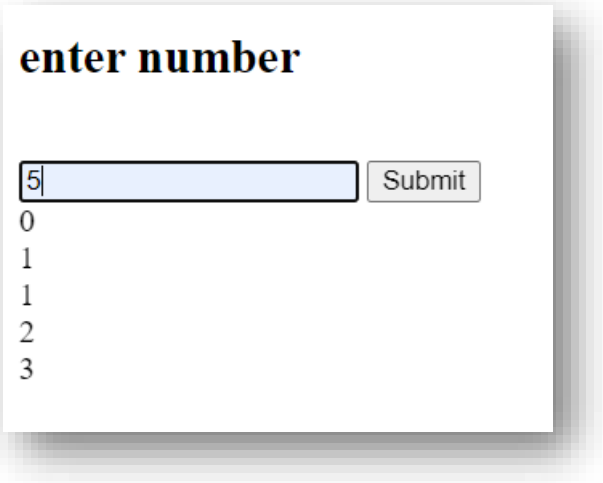
Php programming:

1) Design an HTML page that includes a form containing an input element of text type and accepts a number as input and a submit button with caption Generate Fibonacci Series. Include PHP scripts in the HTML page so that, when the user clicks the submit button, Fibonacci series up to the number entered by the user is displayed.

```
2) <!DOCTYPE html>
3) <html>
4)
5) <body>
6)     <h2>enter number </h2><br>
7)     <form action="" method="POST">
8)         <input type="text" name="number" />
9)         <input type="submit" />
10)    </form>
11)</body>
12)
13)</html>
14)<?php if($_POST)
15){
16)$first_variable=-1;
17)$second_variable=1;
18)$n=$_POST['number']; for($i=1;$i<=$n;$i++)
19){
20)$current_variable=$first_variable+$second_variable;
21)$first_variable=$second_variable;
```

```
22)$second_variable=$current_variable;
23)echo $current_variable."<br/>";
24)}
25)}
26)?>
```

Output:

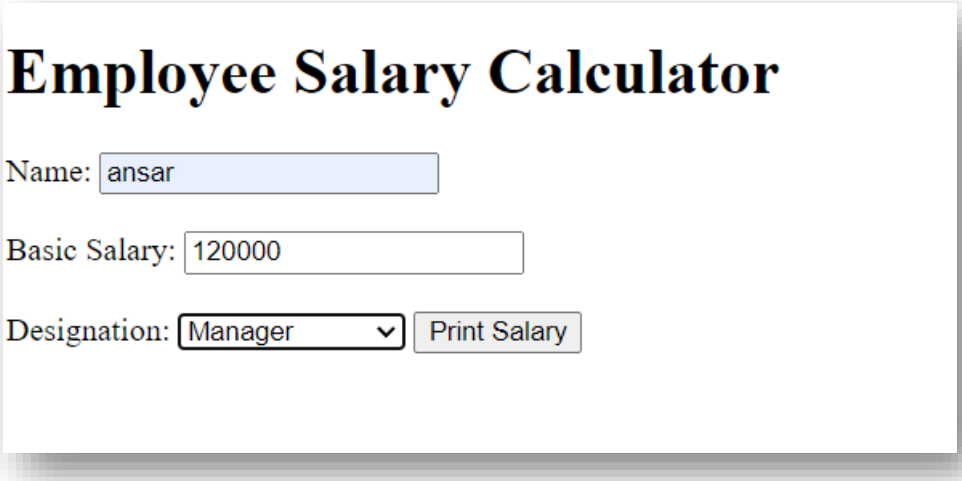


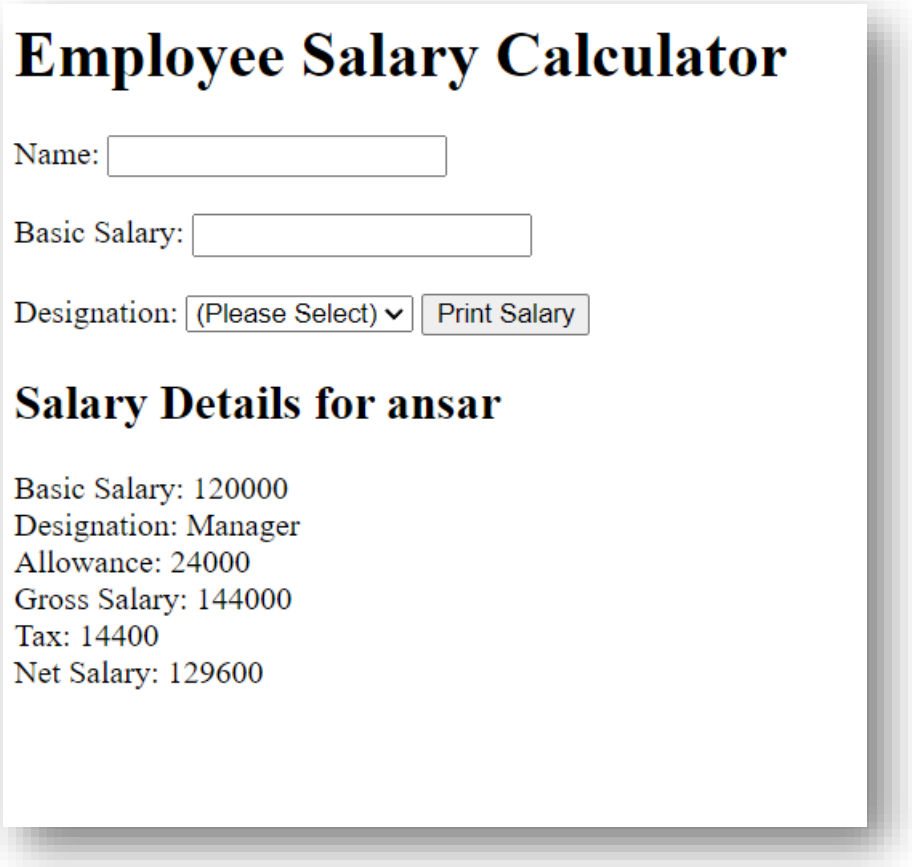
2) Design an HTML page that includes a form containing input elements for accepting name, basic salary and designation of an employee and a submit button with caption Print Salary. Include PHP script in the HTML page to calculate and display net salary based on the following conditions.

```
<!DOCTYPE html>
<html>
<head>
<title>Salary Calculator</title>
</head>
<body>
<h1>Employee Salary Calculator</h1>
<form method="post" action="">
<label for="name">Name:</label>
<input type="text" name="name" required><br><br>
<label for="basic_salary">Basic Salary:</label>
<input type="number" name="basic_salary" required><br><br>
<label for="designation">Designation:</label>
<select name="designation">
<option >(Please Select)</option>
<option >Manager</option>
<option >Supervisor</option>
<option >Clerk</option>
<option >Peon</option>
```

```
</select>
<input type="submit" name="calculate" value="Print Salary">
</form>
<?php
if (isset($_POST['calculate'])) {
$name = $_POST['name'];
$basic_salary = floatval($_POST['basic_salary']);
$designation = $_POST['designation'];
if ($designation == "Manager") {
$allowance = 0.2 * $basic_salary;
} elseif ($designation == "Supervisor") {
$allowance = 0.15 * $basic_salary;
} else {
$allowance = 0.1 * $basic_salary;
}
$gross_salary = $basic_salary + $allowance;
$tax = 0.1 * $gross_salary;
$net_salary = $gross_salary - $tax;
echo "<h2>Salary Details for $name</h2>";
echo "Basic Salary: $basic_salary<br>";
echo "Designation: $designation<br>";
echo "Allowance: $allowance<br>";
echo "Gross Salary: $gross_salary<br>";
echo "Tax: $tax<br>";
echo "Net Salary: $net_salary<br>";
}
?>
</body>
</html>
```

Output:





3) Design an HTML page to display a list of fruits (at least 7 fruits) in a list box and a submit button with caption Select Fruit so that a user can select his/her favourite fruit. Design another HTML page that display the name of the fruit selected by the user by using an embedded PHP script.

First.php:

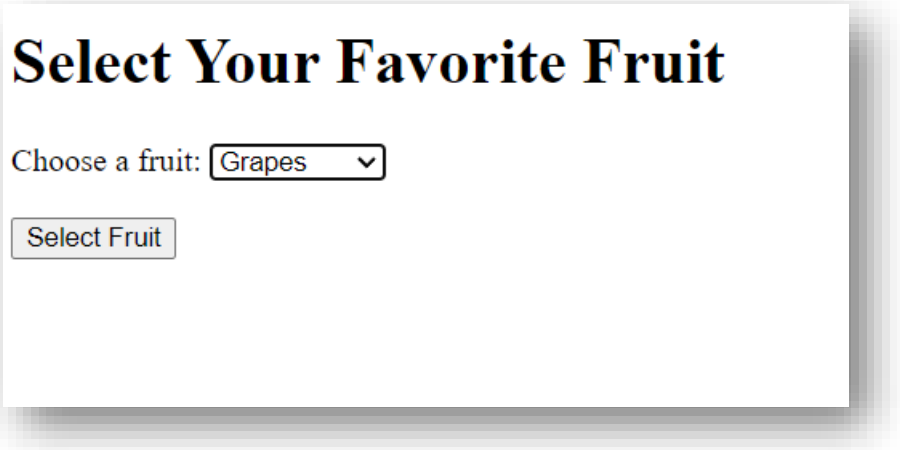
```
<!DOCTYPE html>
<html >
<body>
<h1>Select Your Favorite Fruit</h1>
<form action="second.php" method="post">
<label for="fruit_list">Choose a fruit:</label>
<select name="fruit" id="fruit_list">
<option value="Apple">Apple</option>
<option value="Banana">Banana</option>
<option value="Cherry">Cherry</option>
<option value="Grapes">Grapes</option>
<option value="Orange">Orange</option>
<option value="Pineapple">Pineapple</option>
<option value="Strawberry">Strawberry</option>
</select>
```

```
<br><br>
<input type="submit" value="Select Fruit">
</form>
</body>
</html>
```

Second.php:

```
<!DOCTYPE html>
<html lang="en">
<body>
<h1>Selected Fruit</h1>
<?php
if(isset($_POST['fruit'])) {
$selected_fruit = $_POST['fruit'];
echo "<p>You selected: $selected_fruit</p>";
} else {
echo "<p>No fruit selected.</p>";
}
?>
</body>
</html>
```

Output:



4) Write PHP script to store current date/time in a cookie and display the last visited date time on the web page upon opening/reopening of the page. Display a message You are visiting this page for the first time if it is so. Otherwise display the last visited date and time.

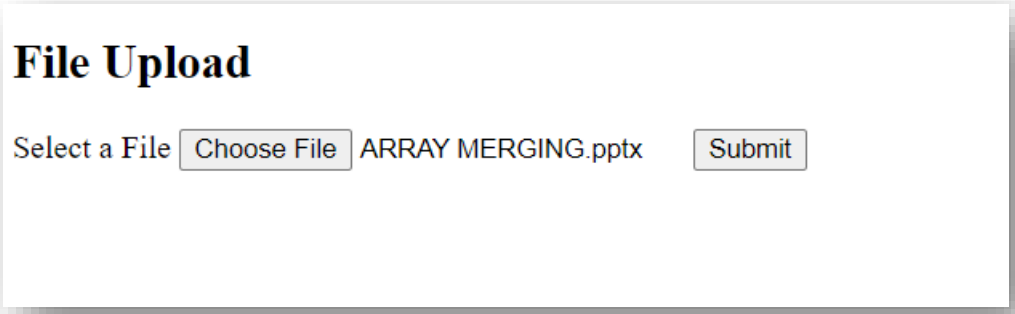
```
<!DOCTYPE html>
<html >
<body>
<h1>Cookie Example</h1>
<?php
if(isset($_COOKIE['last_visited'])) {
$last_visited = $_COOKIE['last_visited'];
echo "<p>You last visited this page on: $last_visited</p>";
}
else {
$current_date = date('Y-m-d H:i:s');
setcookie('last_visited', $current_date, time() + (86400 * 30), "/"); // Cookie
valid for 30 days
echo "<p>You are visiting this page for the first time.</p>";
}
?>
</body>
</html>
```

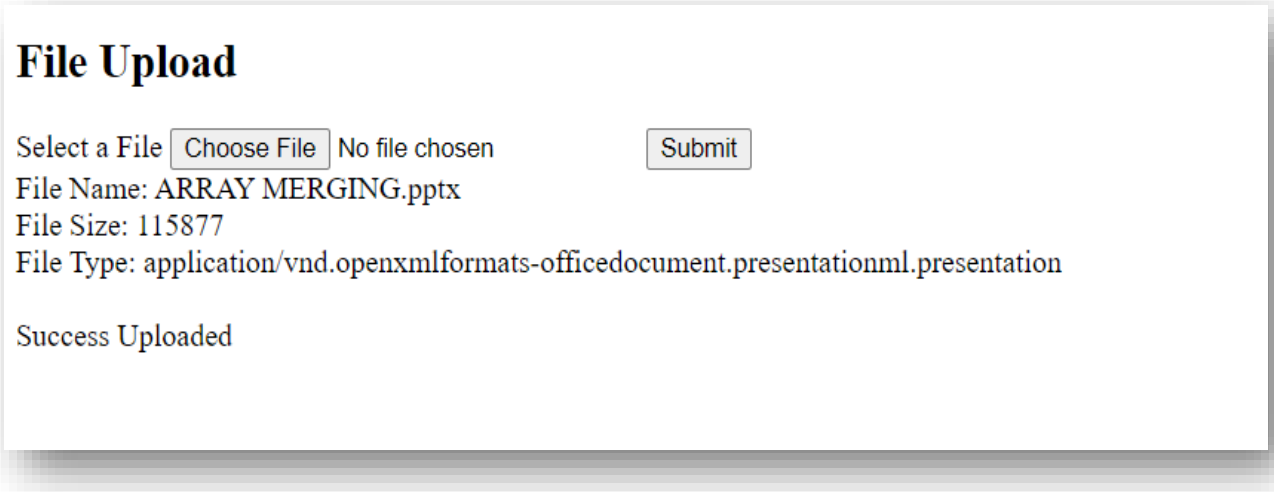
Output:

5) Design a PHP page to illustrate the use of file upload – for uploading files of a specified type with a specified size to the webserver.

```
<!DOCTYPE html>
<html>
<body>
<h2> File Upload</h2>
<form action="" method="POST" enctype="multipart/form-data">
Select a File
<input type="file" name="image" />
<input type="submit" />
</form>
</body>
</html>
<?php
if(isset($_FILES['image']) && $_FILES['image']['size'] > 0) {
if ($_FILES['image']['size'] < 200000) {
echo "File Name: " . $_FILES['image']['name'] . "<br>";
echo "File Size: " . $_FILES['image']['size'] . "<br>";
echo "File Type: " . $_FILES['image']['type'] . "<br>";
echo "<br>Success Uploaded ";
}
else
echo "File size Should Not greater than 2mb";
}
?>
```

Output:





6) Create a login page using database

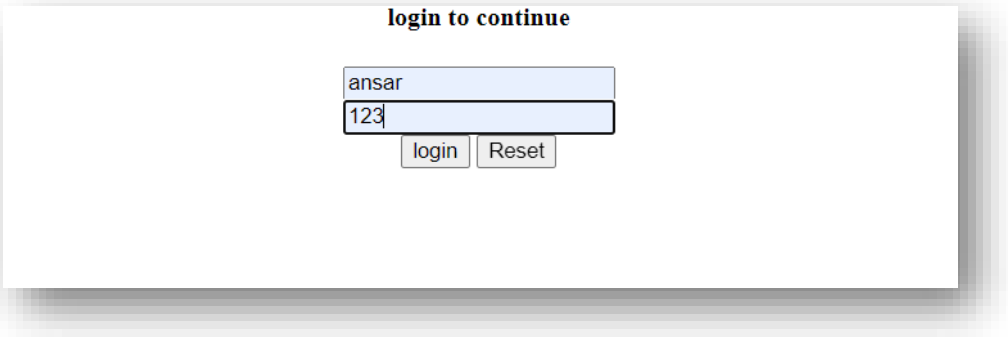
Database code:

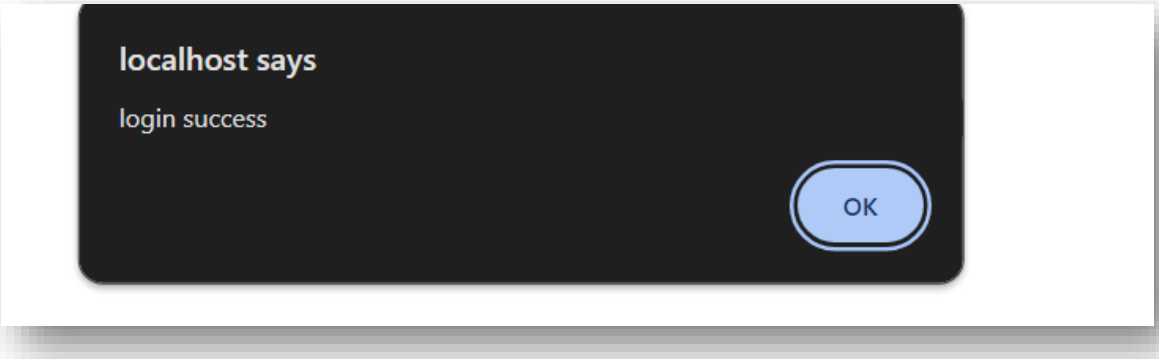
Create database log;
Use log;
Create table login(username varchar(10),password varchar(10));
Insert into login (username,password) values (“ansar”,‟123‟);

```
<!DOCTYPE html>
<html>
<body>
<center>
<form action="" method="POST">
<field set style="width:50%;margin-top:50px”;>
<h4>login to continue</h4>
<input type="text" name="uname" maxlength="20" placeholder="username">
<br>
<input type="text" name="password" maxlength="20" placeholder="password">
<br>
<input type="submit" name="submit" value="login">
```

```
<input type="reset">
</fieldset>
</form>
</center>
</body>
</html>
<?php
$host = "localhost";
$username = "root";
$pass = "root";
$con = mysqli_connect($host, $username,$pass, "log");
if(isset($_POST['submit']))
{

$uname=$_POST['uname'];
$password=$_POST['password'];
$sql="select * from login where username='$uname' AND password='$password'";
$res=mysqli_query($con,$sql) or die (mysqli_error($con));
$val=mysqli_num_rows($res);
if($val>0)
echo("<script>alert('login success')</script>");
else
echo("<script>alert('failed')</script>");
}
?>
```

Output:





7) Create a table students with columns rollno, name, mark, grade. Insert at least 7 rows in the table. Write a PHP script to display the mark list of a student by accepting the rollno of the student.

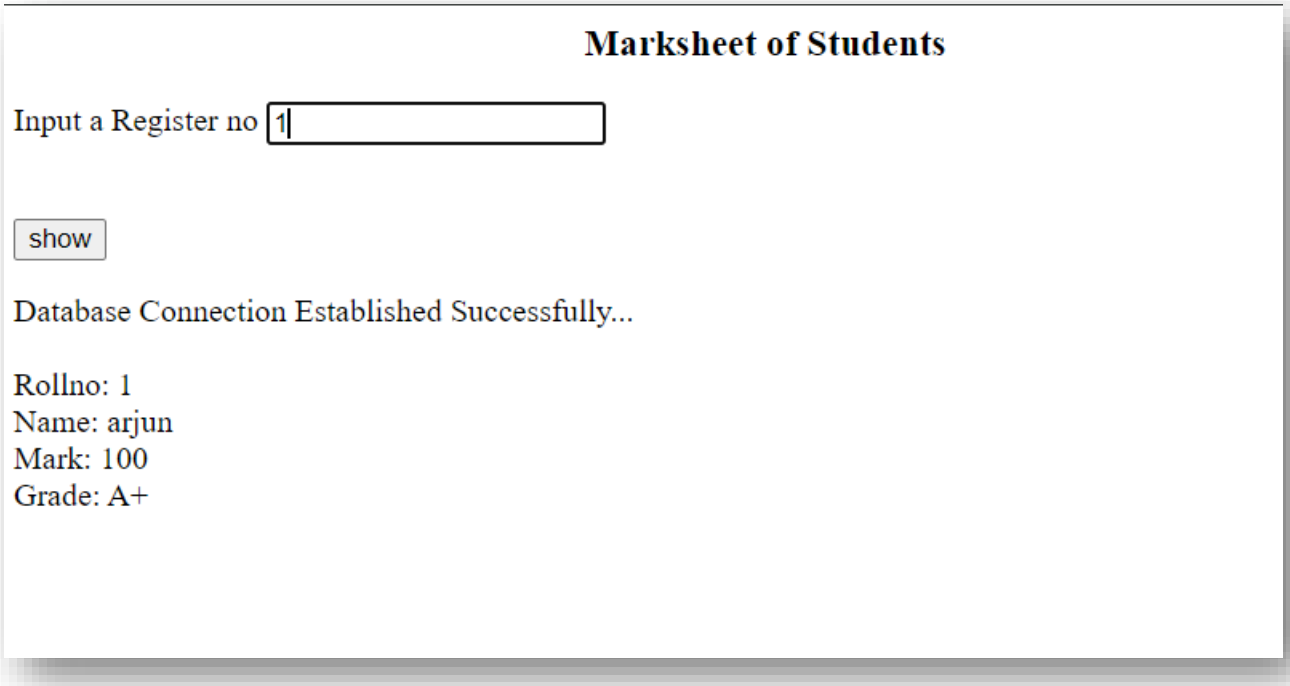
Database code:

Create database student;
Use student;
Create table student(rollno varchar(10),name varchar(10),totalmark varchar(10),grade varchar(10));
Insert into student (rollno,name,totalmark,grade) values ("1","Arjun","100","A+");
Insert into student (rollno,name,totalmark,grade) values ("2","Anju","80","B");
Insert into student (rollno,name,totalmark,grade) values ("3","Amal","70","C");
Insert into student (rollno,name,totalmark,grade) values ("4","Anakha","75","C");
Insert into student (rollno,name,totalmark,grade) values ("5","basil","80","B");
Insert into student (rollno,name,totalmark,grade) values ("6","John","90","A");
Insert into student (rollno,name,totalmark,grade) values ("7","Vimal","100","A+");

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

```
<head>
<title>Marksheet of Students</title>
</head>
<body>
<h3><center>Marksheet of Students</center></h3>
<form method="POST" action="">
<label>Input a Register no </label><input type="text" name="txtreg"/><br><br><br>
<input type="submit" value="show">
</form> </body> </html>
<?php
if($_POST){
$rg=$_POST['txtreg'];
$host = "localhost";
$username = "root";
$pass = "root";
$con = mysqli_connect($host, $username, $pass, "student");
if($con)
echo "Database Connection Established Successfully... <br>";
$qry="select * from student where rollno='$rg'";
$result=mysqli_query($con,$qry);
$nos=mysqli_num_rows($result);
while($row=mysqli_fetch_row($result))
{
echo "<br>\n";
echo "Rollno: $row[0] <br> Name: $row[1] <br> Mark: $row[2] <br> Grade: $row[3]";
}
}
?>
```

Output:



8) Create a table products with columns item code, item name, unit price. Design an HTML page for accepting user input for item code, item name and unit price with submit and refresh buttons. Include PHP script in the page to insert the data submitted by the user into the table and display all the rows in the product table in a tabular format.

Database code:

Create database product;

Use product;

Create table product(itemcode varchar(10),itemname varchar(10),unitprice varchar(10));

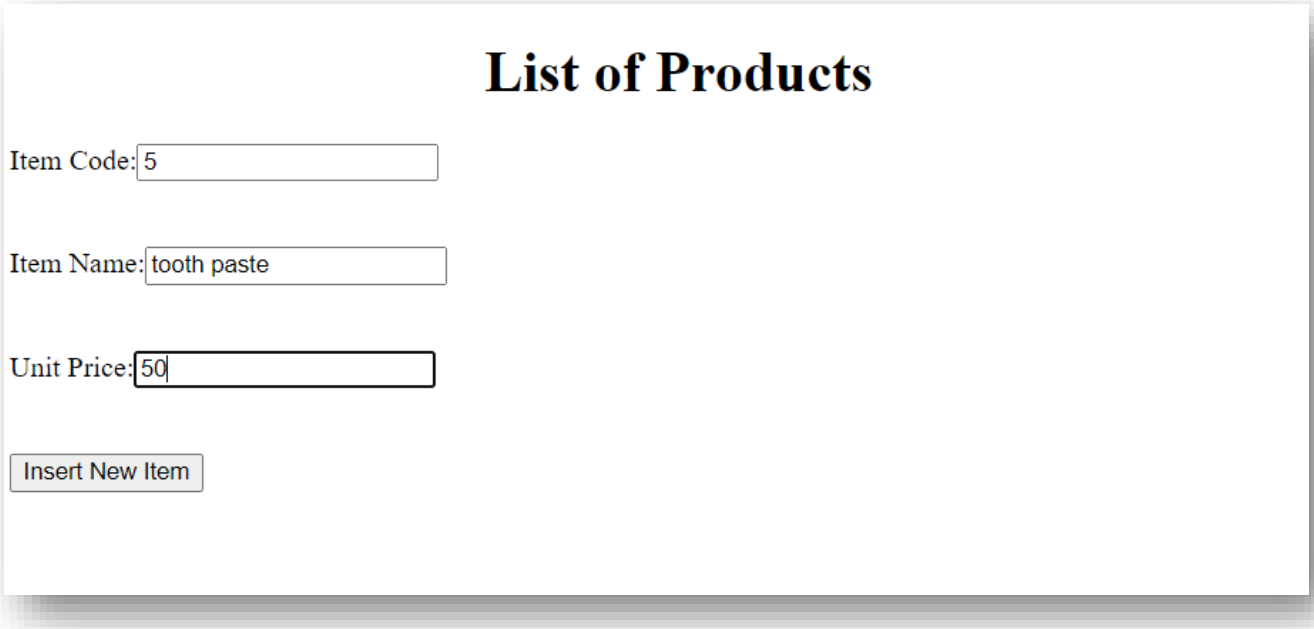
INSERT INTO `product` (`itemcode`, `itemname`, `unitprice`) VALUES ('1', 'spoon', '20'), ('2', 'soap', '30');

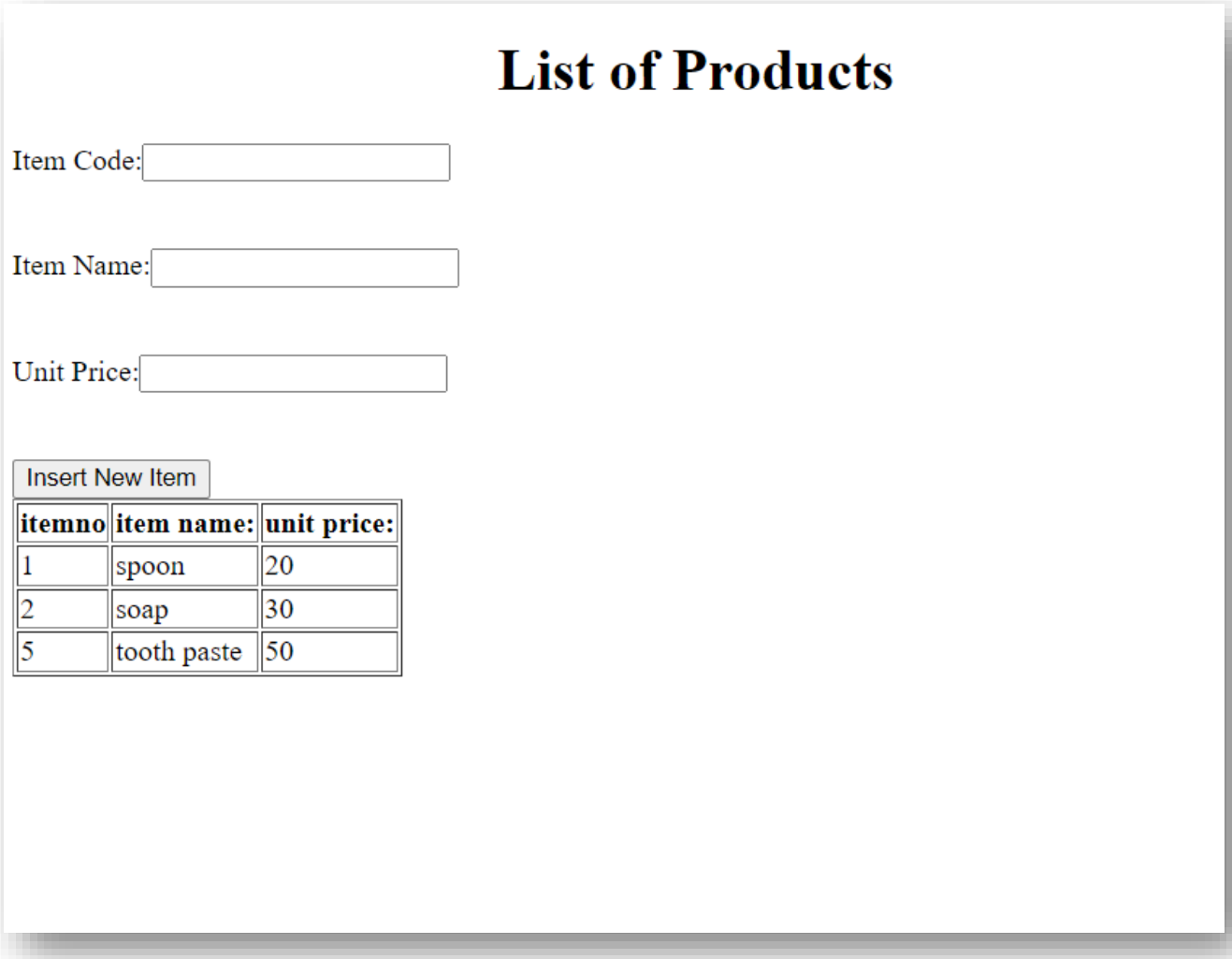
Insert into product (itemcode,itemname,unitprice) values ("3","Soap","30");

```
<!DOCTYPE html>
<html>
<head>
<title>Product</title>
</head>
<body>
<h1><center>List of Products</center></h1>
<form method="POST" action="">
Item Code:<input type="text" name="icode"/><br><br><br>
Item Name:<input type="text" name="iname"/><br><br><br>
Unit Price:<input type="text" name="iprice"/><br><br><br>
<input type="submit" value="Insert New Item">
</form>
<?php
if($_POST)
{
$no=$_POST['icode'];
$name=$_POST['iname'];
$price=$_POST['iprice'];
$host = "localhost";
$username = "root";
$pass = "root";
$con = mysqli_connect($host, $username, $pass, "product");
if($con)
{
echo "Connection Successfully Established <br> ";
$qry_check = "SELECT * FROM product WHERE itemcode = $no";
$result_check = mysqli_query($con, $qry_check);
if(mysqli_num_rows($result_check) > 0)
{
echo "Item code already exists. Please choose a different one.";
}
else
{
$qry="insert into product (itemcode,itemname,unitprice) values ($no, '$name',
$price)";
$result=mysqli_query($con,$qry);
$qry1="select * from product";
$result1=mysqli_query($con,$qry1);
if ($result1->num_rows > 0)
{
echo "<table border=1> <tr><th>itemno <th>item name:<th>unit price:</tr>";
while ($row = mysqli_fetch_row($result1))
{
echo "<tr><td>$row[0] <td>$row[1]<td>$row[2]</tr>";
```

```
}
echo "</table>";
}
else
echo "0 results";
}
}
}
?>
</body>
</html>
```

Output:





9) Create a table account with columns accountno, name and amount. Write a php program for delete and update operation on account table.

Database code:

Create database account;

Use account;

Create table account1 (account_number varchar(10),name varchar(10),balance varchar(10));

Insert into account1 (account_number, name, balance) values ("1","Arjun","10000");

Insert into account1 (account_number, name, balance) values("2","Arun","25000");

Insert into account1 (account_number, name, balance) values("3","Amal","4000");

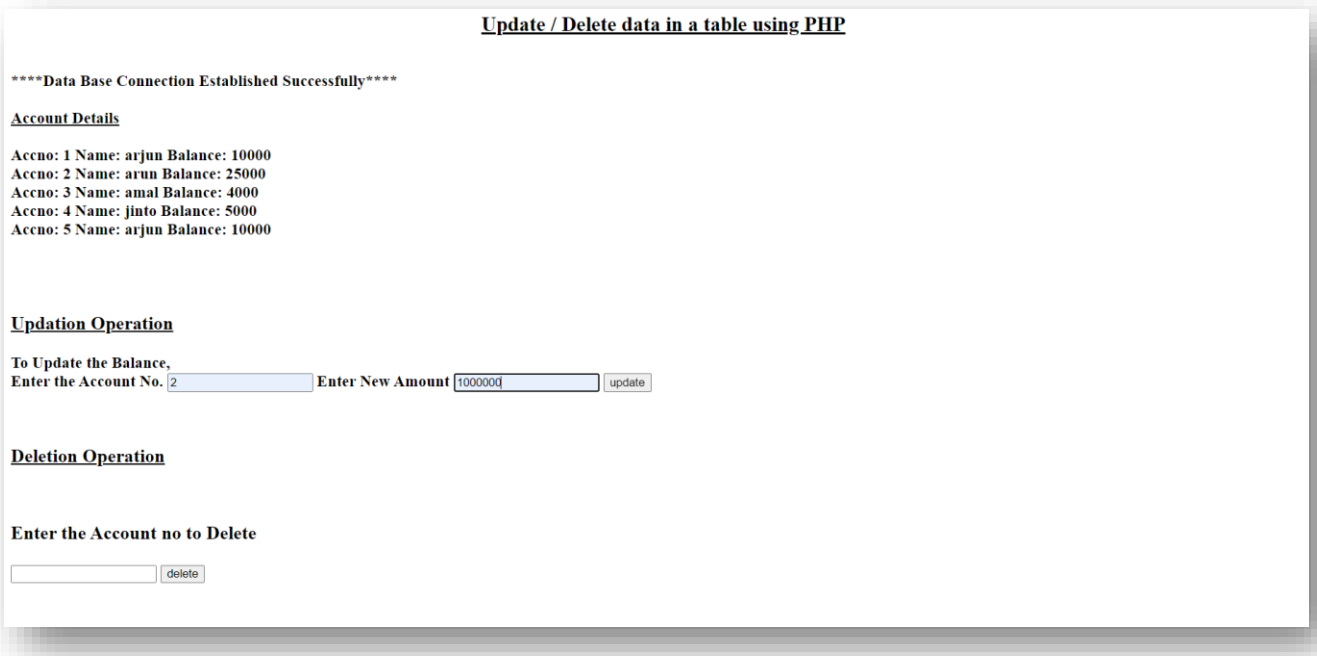
Insert into account1 (account_number, name, balance) values ("4","Jinto","5000");

```
<!DOCTYPE html>
<html>
<body>
<h2><center><u>Update / Delete data in a table using PHP</u></center></h2>
<h3>
<?php
$host = "localhost";
$username = "root";
$pass = "root";
$con = mysqli_connect($host, $username, $pass, "account");
if ($con) {
    echo "<br><u> Account Details </u> <br>";
    $qry1 = "select * from account1";
    $result1 = mysqli_query($con, $qry1);
    while ($row = mysqli_fetch_row($result1)) {
        echo "<br>\n";
        echo "Accno: $row[0] Name: $row[1] Balance: $row[2]";
    }
}
?>
<form action="" method="post">
    <br><br>
    <br><u> <h3>Updation Operation </h3> </u> To Update the Balance,<br>
    Enter the Account No.
    <input type="text" name="acc"> Enter New Amount
    <input type="text" name="bal">
    <input type="submit" name="update" value="update">
</form>
<?php
if (isset($_POST['update'])) {
    $bln = $_POST['bal'];
    $no = $_POST['acc'];
    $host = "localhost";
    $username = "root";
```

```
    $pass = "root";
    $con = mysqli_connect($host, $username, $pass, "account");
    if ($con) {
        $qry1 = "select * from account1";
        $qry2 = "update account1 SET balance=$bln where account_number = '$no'";
        $result1 = mysqli_query($con, $qry1);
        echo "<br><br><br>Old Data <br><br>";
        while ($row = mysqli_fetch_row($result1)) {
            echo "<br>\n";
            echo "accno: $row[0] name: $row[1] balance: $row[2]";
        }
        $result2 = mysqli_query($con, $qry2);
        $result1 = mysqli_query($con, $qry1);
        echo "<font color=red><br><br>Updation operation performed. <br></font>";
        echo "<br>New Data <br>";
        while ($row = mysqli_fetch_row($result1)) {
            echo "<br>\n";
            echo "accno: $row[0] name: $row[1] balance: $row[2]";
        }
    } else {
        echo "fgdg";
    }
}
?>
<form action="" method="post">
    <br><u> <h3>Deletion Operation </h3> </u> <br>
    <h3>Enter the Account no to Delete </h3>
    <input type="text" name="reg">
    <input type="submit" name="delete" value="delete" />
</form>
<?php
if (isset($_POST['delete'])) {
    $no = $_POST['reg'];
    $host = "localhost";
    $username = "root";
    $pass = "root";
    $con = mysqli_connect($host, $username, $pass, "account");
    if ($con) {
        echo "<br>Old Data <br>";
        $qry1 = "select * from account1";
        $qry2 = "delete from account1 where account_number = '$no'";
        $result1 = mysqli_query($con, $qry1);
        while ($row = mysqli_fetch_row($result1)) {
            echo "<br>\n";
            echo "accno: $row[0] name: $row[1] balance: $row[2]";
        }
        echo "<font color=red><br><br>Deletion operation performed. <br></font>";
        echo "<br>New Data <br>";
```

```
        $result2 = mysqli_query($con, $qry2);
        $result1 = mysqli_query($con, $qry1);
        while ($row = mysqli_fetch_row($result1)) {
            echo "<br>\n";
            echo "accno: $row[0] name: $row[1] balance: $row[2]";
        }
    }
}
?>
</body>
</html>
```

Output:



Updation Operation

To Update the Balance,
Enter the Account No. [ ] **Enter New Amount** [ ] update

Old Data

accno: 1 name: arjun balance: 10000
accno: 2 name: arun balance: 25000
accno: 3 name: amal balance: 4000
accno: 4 name: jinto balance: 5000
accno: 5 name: arjun balance: 10000

Updation operation performed.

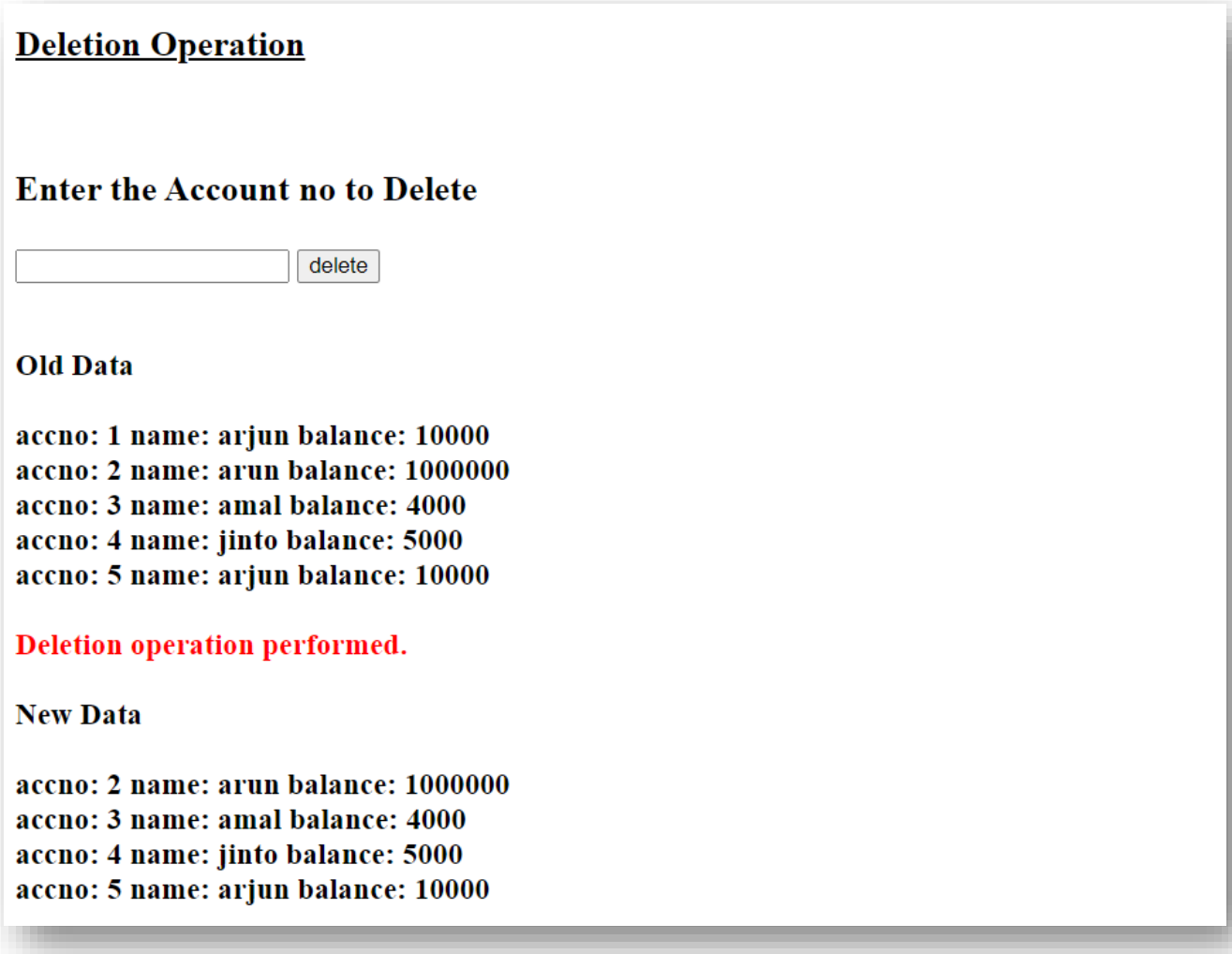
New Data

accno: 1 name: arjun balance: 10000
accno: 2 name: arun balance: 1000000
accno: 3 name: amal balance: 4000
accno: 4 name: jinto balance: 5000
accno: 5 name: arjun balance: 10000

Deletion Operation

Enter the Account no to Delete

1 delete



10) Design a PHP page to implement a login screen using sessions. Login details are to be verified from the server side with values stored in a database.

Database code:

Create database login;

Use login;

Create table users(username varchar(10),password varchar(10));

Insert into users (username,password) values (“ansar",”ansar”);

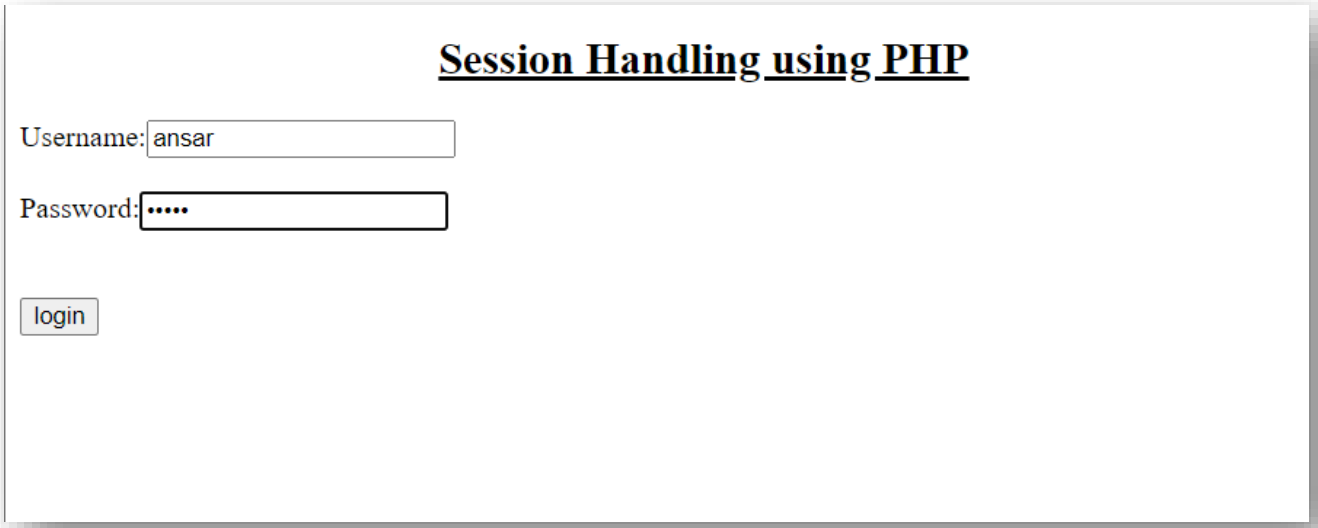
Insert into users (username,password) values (“anas",”ansar”);

Login.php:

```
<?php
session_start();
if(isset($_POST['login'])) {
$usr = $_POST['usr'];
$pass = $_POST['pass'];
$host = "localhost";
$username = "root";
$password = "root";
$dbname = "login";
$conn = mysqli_connect($host, $username, $password, $dbname);
if($conn) {
$usr = mysqli_real_escape_string($conn, $usr);
$pass = mysqli_real_escape_string($conn, $pass);
$qry = "SELECT * FROM users WHERE username='$usr' AND password='$pass'";
$result = mysqli_query($conn, $qry);
if($result) {
if(mysqli_num_rows($result) == 1) {
$_SESSION['usr'] = $usr;
$_SESSION['pass'] = $pass;
echo "<br> You are Logged Successfully";
} else
echo "Login Denied";
}
else
echo "Error in query: " . mysqli_error($conn);
mysqli_close($conn);
}
else {
echo "Connection failed: " . mysqli_connect_error();
}
}
if(isset($_POST['clean'])) {
unset($_SESSION['usr']);
unset($_SESSION['pass']);
echo "You have cleaned session<br><br>";
echo "Redirecting within 5 Seconds";
header('Refresh: 5; URL = login.php');
}
?>
<html>
<head>
</head>
<body>
```

```php
<?php if(!isset($_SESSION['usr'])): ?>
<form action="" method="POST">
<h2><center><u>Session Handling using PHP</u></center></h2>
Username:<input type="text" name="usr"><br><br>
Password:<input type="password" name="pass"><br><br><br>
<input type="submit" name="login" value="login"><br>
</form>
<?php else: ?>
<h2><center><u>Welcome, <?php echo $_SESSION['usr']; ?></u></center></h2>
<form action="" method="POST">
<br><br>
Click here to clean the Session <input type="submit" name="clean" value="clean"><br>
<br>
</form>
<?php endif; ?>
</body>
</html>
```

Output:



You are Logged Successfully

Welcome, ansar

Click here to clean the Session clean

You have cleaned session

Redirecting within 5 Seconds

Session Handling using PHP

Username:

Password:

login