Practical Programs – Hand Book

Instructions:

1. One exercise from **Writer, Calc** and **CSS**, Three exercises from HTML, and Four exercises from JavaScript are to be practiced in the practical classes.

2. Answer to any one question from Practical Book with internal choice.

3. Distribution of Marks.

I. Internal Assessment: 5 Marks

Record Book 5 Marks

II. External Assessment: 15 Marks

(a). Writer or Calc - Procedure 10 Marks

HTML or CSS or JavaScript - Coding

(b). Execution & Output

Total	20 Marks

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Sl.No.	Question Number	Program Name	Page Number
1.	CA1	Open Office Writer – Formatting In-voice	
2.	CA2	Open Office Calc – Interest Calculation	
3.	CA3	HTML – Form Design	
4.	CA4	HTML – Height and Weight Table	
5.	CA5	HTML – Nested List	
6.	CA6	CSS – Formatting Webpage	
7.	CA7	JavaScript – Display Text	
8.	CA8	JavaScript – Multiplication Table	
9.	CA9	JavaScript – Display Weekdays in Words	
10.	CA10	JavaScript – Login Form	

CA1 – FORMATTING INVOICE

CA1	Type the following Invoice in OpenOffice Writer and apply the formatting features as given below:

Invoice

SAIRAM MEDICAL STORES

Mobile No : 9002416000
Mail Address : sairam@gmail.com

P.B.No: 617
70, New Avadi Road,
Chennai 600 010.

No. 70/162

M/S. **Eswari Medical Stores**,
No: 72, N.S.C. Bose Road,
Puducherry – 6210110

23rd Nov 2017

Quantity (Nos)	**Particulars**	**Rate**	**Amount**
20	Johnson Baby Powder	25	500
10	Nestle Milk Powder	100	1000
5	Wood Wards Gripe Water	70	350
Total			
	Add: GST @ 3%		
Net Payable			

For Sriram Medical Stores

Sales Manage

- Use formula to calculate Total and Net Payable.

Procedure

Step-1. Open Office Writer and choose Text document or **File→New→Text Document**.

Step-2. Type the text and apply the format as per the given format.

Note: Select the required text before formatting.

Text	**Format**	**Method**
INVOICE	Center and apply red	**Ctrl + E** and choose Red color from font color pallete or any method.
SRIRAM MEDICAL STORES	Center and apply blue	**Ctrl + E** and Blue color from font color pallete or any method.
Eswari Medical Stores	Bold	**Ctrl + B** or any method.

Step-3. Create a table using any one of the method **Ctrl + F12** or **Insert → Table** or **Table → Insert → Table** or **Insert Table** icon from toolbar, with 4 columns and 7 rows.

Step-4. Enter the data as per the given format.

Step-5. Select first three columns in 5th row and **Right Click → Cell → Merge** and type as "Total"

Step-6. Repeat Step-5 for 7th Row, and type as "Net Payable"

Step-7 To do calculation In table click on table tools -> layout -> formula

Step-8. To find the Amount of Johnson baby powder = (a2*c2)

Step-9. To find the Amount of nestle milk powder = (a3*c3)

Step-10. To find the Amount of wood wards gripe water = (a4*c4)

Step-11. To find the Total, enter the following formula at Total -> Amount Column as = d2+d3+d4 or =sum(d2:d4)

Step-12. To find GST @ 3% enter the formula as =b5*0.03

Step-13. To calculate Netpayable amount, Enter the formula s = b5+d6

Output

Invoice

SAIRAM MEDICAL STORES

Mobile No : 9002416000
Mail Address : sairam@gmail.com

P.B.No: 617
70, New Avadi Road,
Chennai 600 010.

No. 70/162

M/S. **Eswari Medical Stores**,
No: 72, N.S.C. Bose Road,
Puducherry – 6210110

23rd Nov 2017

Quantity (Nos)	Particulars	Rate	Amount
20	Johnson Baby Powder	25	500
10	Nestle Milk Powder	100	1000
5	Wood Wards Gripe Water	70	350
Total			1850
	Add: GST @ 3%		55.5
Net Payable			1905.5

For Sriram Medical Stores

Sales Manage

CA2 – INTEREST CALCULATION

CA-2	Create statement of interest using OpenOffice Calc with the following particulars:

Sara Ltd., sells goods. Their policy is to charge interest @ 2% p.a., for the number of days. From the following data, find out the amount to be collected from each customer. Assume 365 days in the year.

Customer	Sales	Date of Sale	No. of days	Date of Settlement
Tharani	25000	10/04/2017	60	
Mahalakshmi	14000	28/05/2017	30	
Kumar	28000	14/07/2017	45	
Arulmozhi	54000	03/08/2017	90	

Procedure

Step-1. Open OpenOffice Calc and choose Spreadsheet or **File → New → Spreadsheet.**

Step-2. Type the Headings in cell **A1 to E1 (Customer, Sales, Date of Sale, Number of days and Date of settlement)** as per the given data.

Step-3. In cell F1 and G1 type (**Interest Amt** and **Amount to be paid)** respectively.

Step-4. In cell E2 enter the formula = **C2 + D2** to arrive the date of settlement and to the remaining cells (**E3 to E5**), **Use Edit → Fill → Down command**

Step-5. In cell **F2** enter the formula = **ROUND((B2*2/100)*D2/365,)** to arrive the Interest amount to the remaining cells (**F3 to F5). Use Edit → Fill → Down Command**

Step-6. In cell **G2** enter the formula = **B2 + F2** to arrive the Amount to be paid to the remaining cells (**G3 to G5). Use Edit → Fill → Down Command.**

Output

Customer	Sales	Date of Sale	No. of days	Date of Settlement	Interest Amt	Amount to be Paid
Tharani	25000	10/04/2017	60	09/06/2017	82	25082
Mahalakshmi	14000	28/05/2017	30	27/06/2017	23	14023
Kumar	28000	14/07/2017	45	28/08/2017	69	28069
Arulmozhi	54000	03/08/2017	90	01/11/2017	266	54266

CA3 – FORM DESIGN

CA-3	Write an HTML code to design a form like the one shown below.

Registration Form

User Name :

Password :

Re-type Password :

Gender : ○ **Male** ○ **Female**

Additional Information

Optional Subject : Computer Technology

☐ **Put me on mail list**

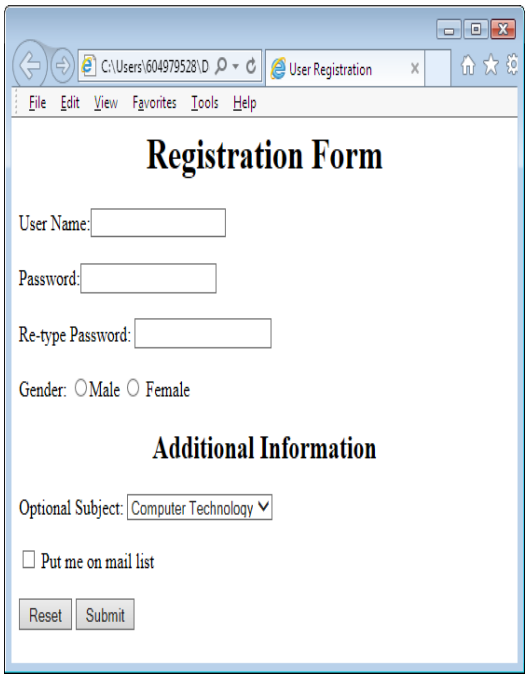
Reset **Submit**

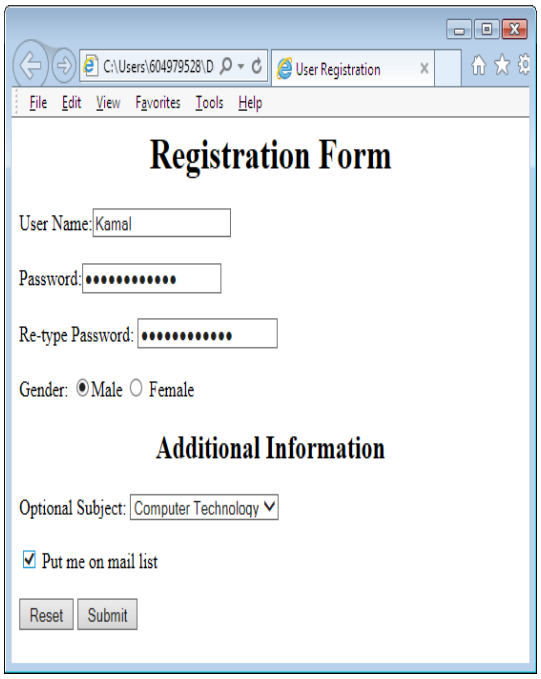
Coding

```
<html>
<head>
<title>User Registration</title>
</head>
<body>
<h1 align = center>Registration Form</h1>
<form id=reg_form method=post action="">
User Name:<input type=text name=uname/><br><br>
Password:<input type=password name=pword1/><br><br>
Re-type Password: <input type=password name=pword2/><br><br>
Gender:
<input type=radio name=male value="M"/>Male
<input type=radio name=female value="F"/> Female
<h2 align=center> Additional Information </h2>
Optional Subject:
<select name=subj>
```

```
        <option value = CT> Computer Technology
        <option value = Paint> Painting
        <option value = SG> Sports and Games
</select>
<br><br/>
<input type = checkbox name=mail /> Put me on mail list <br><br>
<input type = reset value=Reset>
<input type = submit value=Submit>
</form>
</body>
</html>
```

Output





CA4 – HEIGHT AND WEIGHT TABLE

CA-4	Write an HTML code to display the following

Height and Weight

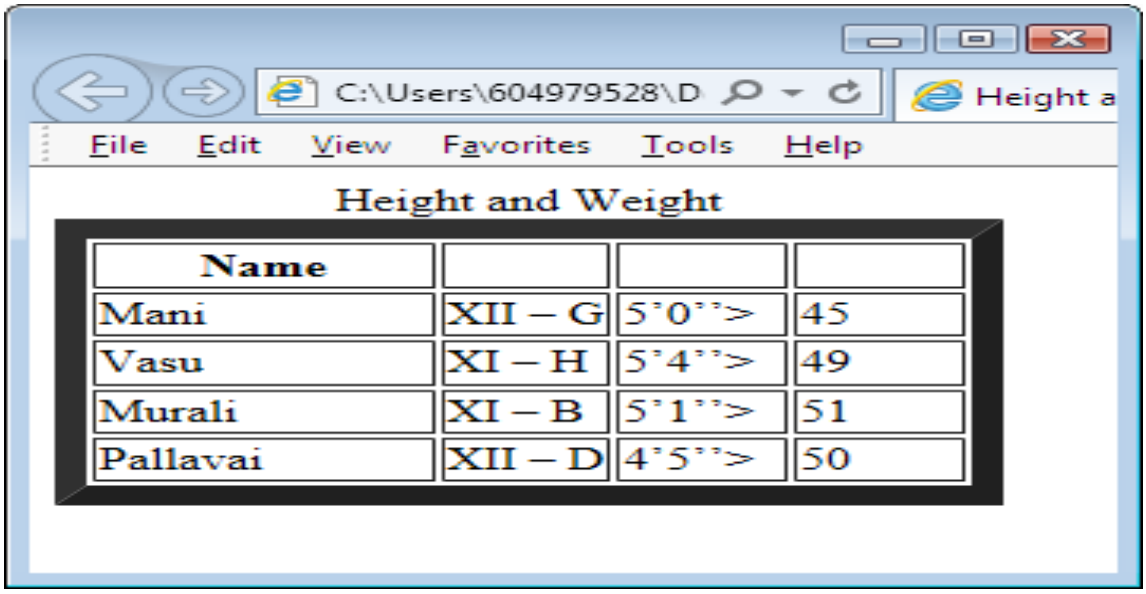
Name	Class	Height	Weight
Mani	XII – G	5’0’’	45
Vasu	XI – H	5’4’’	49
Murali	XI – B	5’1’’	51
Pallavai	XII – D	4’5’’	50

Coding

```
<html>
<head>
<title>Height and Weight Table</title>
<head>
<body>
<table border=10>
<caption>Height and Weight </caption>
<tr>
<th width=40%> Name </th>
<th width=20% Class </th>
<th width=20% Height </th>
<th width=20% Weight </th>
</tr>
<tr>
<td> Mani </td>
<td> XII – G </td>
<td> 5’0’’> </td>
<td> 45 </td>
</tr>
<tr>
<td> Vasu </td>
<td> XI – H </td>
<td> 5’4’’> </td>
<td> 49 </td>
```

```
</tr>
<tr>
<td> Murali </td>
<td> XI – B </td>
<td> 5’1’’> </td>
<td> 51 </td>
</tr>
<tr>
<td> Pallavai </td>
<td> XII – D </td>
<td> 4’5’’> </td>
<td> 50 </td>
</tr>
</table>
</body>
</html>
```

Output



CA5 – NESTED LIST

CA-5	Write an HTML code to create a webpage to display the following sets of lists:

1. Tamilnadu a. Chennai b. Madurai	• Languages ○ Tamil ○ Malayalam ○ Telugu
2. Andhra Pradesh a. Amaravathi b. Vijayawada	• Science ○ Physics ○ Chemistry ○ Zoology
3. Kerala a. Thiruvananthapuram b. Cochin	• Humanities ○ History ○ Commerce ○ Economics

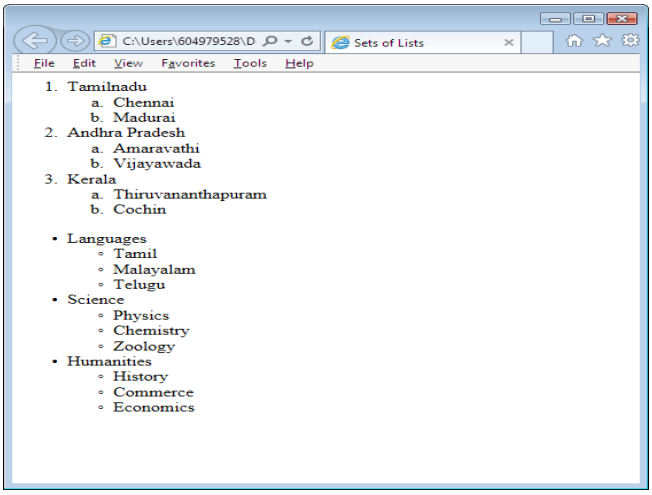
Coding

```
<html>
<head>
<title> Sets of Lists </title>
</head>
<body>
<OL>
        <LI> Tamilnadu
                <OL type=a>
                        <LI> Chennai
                        <LI> Madurai
                </OL>
        <LI> Andhra Pradesh
                <OL type=a>
                        <LI> Amaravathi
                        <LI> Vijayawada
                </OL>

        <LI> Kerala
                <OL type=a>
                        <LI> Thiruvananthapuram
                        <LI> Cochin
                </OL>
```

```
</OL>
<UL>
        <LI> Languages
                <UL type=circle>
                        <LI>Tamil
                        <LI>Malayalam
                        <LI>Telugu
                </UL>
        <LI> Science
                <UL type=circle>
                        <LI>Physics
                        <LI>Chemistry
                        <LI>Zoology
                </UL>
        <LI> Humanities
                <UL type=circle>
                        <LI>History
                        <LI>Commerce
                        <LI>Economics
                </UL>
</UL>
</body>
</html>
```

Output



CA6 – FORMATTING WEBPAGE

CA-6	Create a webpage as given description using CSS

Tamil

Tamil is a Dravidian language predominantly spoken by the Tamil people of India and Sri Lanka, and by the Tamil diaspora, Sri Lankan Moors, Burghers, Douglas, and Chindians. Tamil is an official language of two countries: Sri Lanka and Singapore.

It has official status in the Indian state of Tamil Nadu and the Indian Union Territory of Puducherry. It is used as one of the languages of education in Malaysia, along with English, Malay and Mandarin.

Tamil is spoken by significant minorities in the four other South Indian states of Kerala, Karnataka, Andhra Pradesh and Telangana and the Union Territory of the Andaman and Nicobar Islands. It is one of the 22 scheduled languages of India.

Description:

Element	Font	Style	Alignment	Color
H1	Arial Black	-	Center	Border 2px solid blue
P1	Century	Bold	-	Red
P2	Boockman Old Style	Italic	-	Blue
P3	Century Gothic	-	-	Green

Note: Create two files. 1. Mystyle.css and 2. CA6.html

Coding – 1

Mystyle.css

```
H1
{
Font-family: ”Arial Black”;
Text-align:center;
Border : 2px solid blue;
}
P1
{
Font-family: “Century”;
Font-style : Bold;
Color : Red;
}
P2
{
Font-family: “Bookman Old Style”;
```

```
Font-style : Italic;
Color : Blue;
}
P3
{
font-family: “Century Gothic”;
color : Green;
}
```

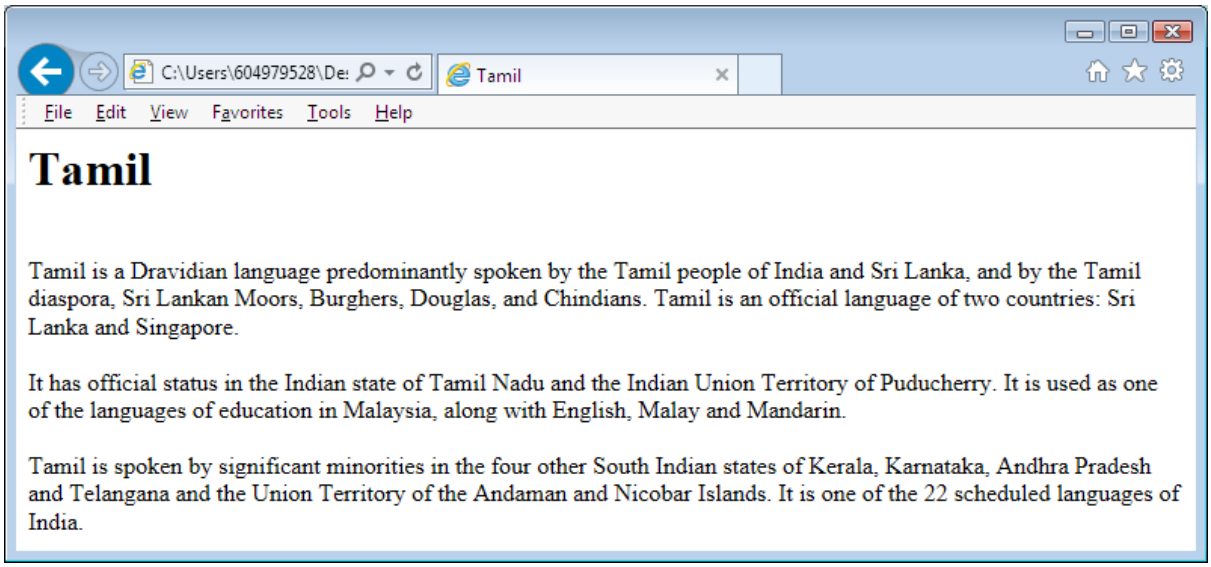
Coding – 2

CA6.htm

```
<html>
<head>
<title>Tamil</title>
<link rel=”stylesheet” type=”text/css” href=”mystyle.css”>
</head>
<body>
<H1>Tamil</H1>
<br>
<P1>
Tamil is a Dravidian language predominantly spoken by the Tamil people of India and Sri Lanka, and by the Tamil diaspora, Sri Lankan Moors, Burghers, Douglas, and Chindians. Tamil is an official language of two countries: Sri Lanka and Singapore.
</P1>
<br>
<br>
<P2>
It has official status in the Indian  state of Tamil Nadu and the Indian Union Territory of Puducherry. It is used as one of the languages of education in Malaysia, along with English, Malay and Mandarin.
</P2>
<br>
<br>
<P3>
Tamil is spoken by significant minorities in the four other South Indian states of Kerala, Karnataka, Andhra Pradesh and Telangana and the Union Territory of the Andaman and Nicobar Islands. It is one of the 22 scheduled languages of India.
</P3>
</body>
```

</html>

Output


C:\Users\604979528\De
Tamil
File Edit View Favorites Tools Help
Tamil
Tamil is a Dravidian language predominantly spoken by the Tamil people of India and Sri Lanka, and by the Tamil diaspora, Sri Lankan Moors, Burghers, Douglas, and Chindians. Tamil is an official language of two countries: Sri Lanka and Singapore.
It has official status in the Indian state of Tamil Nadu and the Indian Union Territory of Puducherry. It is used as one of the languages of education in Malaysia, along with English, Malay and Mandarin.
Tamil is spoken by significant minorities in the four other South Indian states of Kerala, Karnataka, Andhra Pradesh and Telangana and the Union Territory of the Andaman and Nicobar Islands. It is one of the 22 scheduled languages of India.

CA7 – DISPLAY TEXT

CA-7	Create a webpage using JavaScript to display the following text.

Welcome to JavaScript

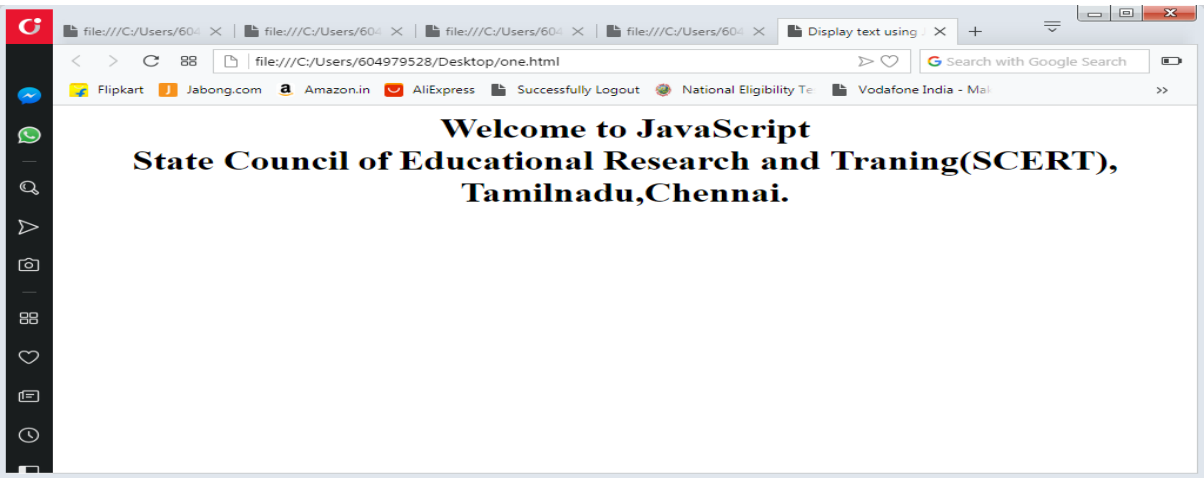
State Council of Education Research and Training (SCRET),

Tamilnadu, Chennai.

Coding

```
<html>
<head>
<title> Display text using JavaScript</title>
</head>
<body align=center>
<p>
<script>
document.write("<h1 align=center>Welcome to  JavaScript<br>");
document.write("State Council of Educational Research  and Traning(SCERT),<br>");
document.write("Tamilnadu,Chennai.</h1>");
</script>
</p>
</body>
</html>
```

Output



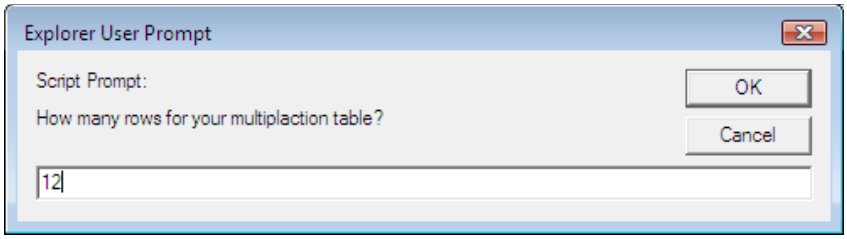
CA8 – MULTIPLICATION TABLE

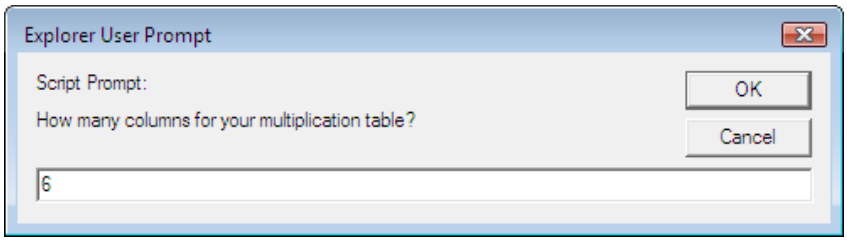
CA-8	Create a webpage using JavaScript to display multiplication table by prompting number of rows and columns.

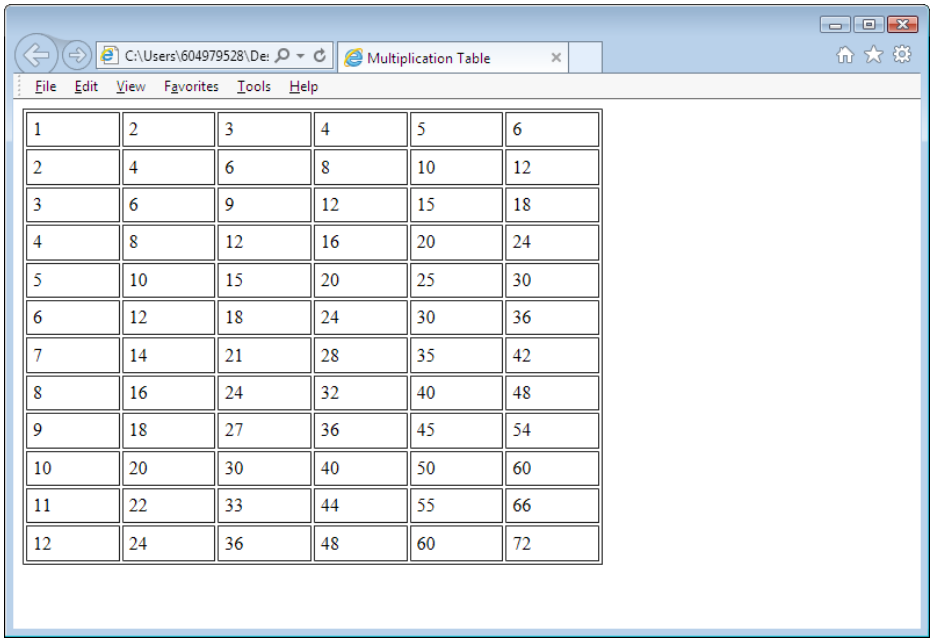
Coding

```
<html>
<head>
<title>Multiplication Table</title>
</head>
<body>
<script type="text/javascript">
var rows=prompt("How many rows for your multiplaction table?");
var cols=prompt("How many columns for your multiplication table?");
if(rows == "" || rows == null)
        rows = 10;
if(cols == "" || cols == null)
        cols = 10;
createTable(rows,cols);
function createTable(rows,cols)
{       var j=1;
        var output = "<table border='1' width='500' cellpadding='5'>";
        for(i=1;i<=rows;i++)
        {       output = output + "<tr>";
                while(j<=cols)
                {       output = output + "<td>" + i*j + "</td>";
                        j = j+1;        }
                output = output + "</tr>";
                j = 1;                          }
output = output + "</table>";
document.write(output);                         }
</script>
</body>
</html>
```

Output







1	2	3	4	5	6
2	4	6	8	10	12
3	6	9	12	15	18
4	8	12	16	20	24
5	10	15	20	25	30
6	12	18	24	30	36
7	14	21	28	35	42
8	16	24	32	40	48
9	18	27	36	45	54
10	20	30	40	50	60
11	22	33	44	55	66
12	24	36	48	60	72

CA9 – DISPLAY WEEKDAYS IN WORDS

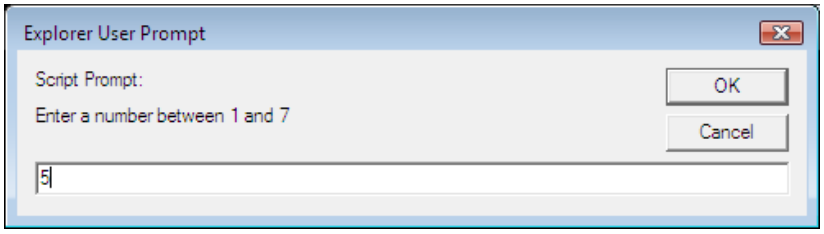
CA-9	Create a webpage using JavaScript to display Weekday in words by getting input as a number using switch.

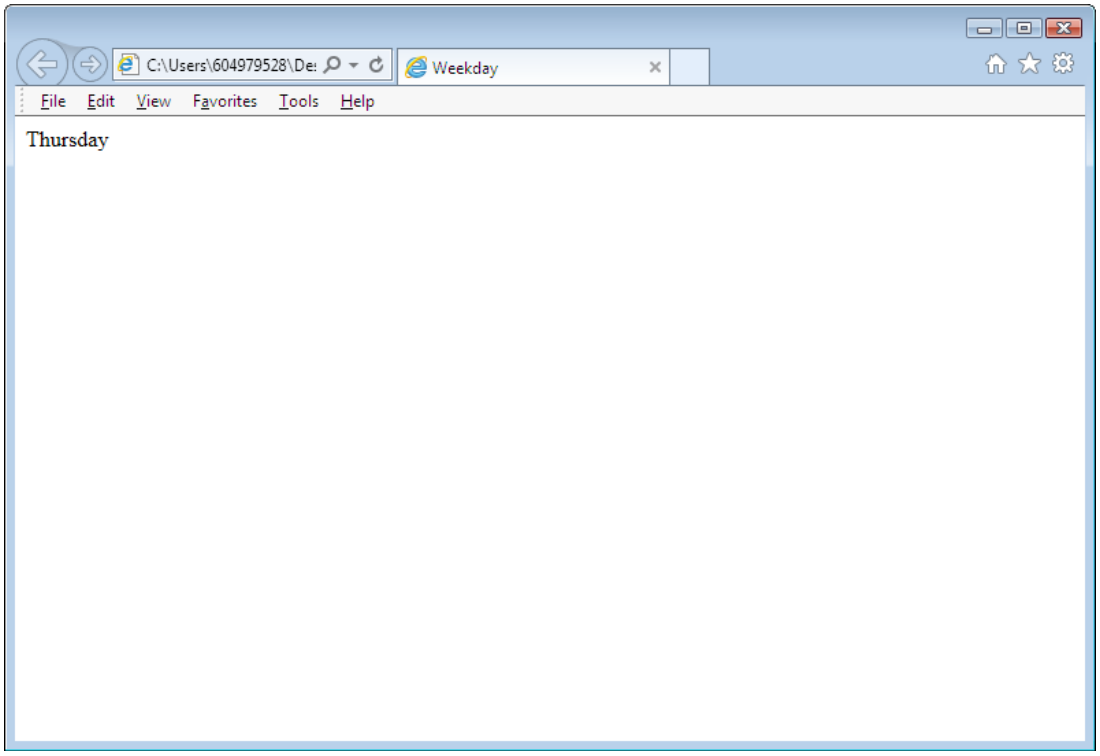
Coding

```
<html>
<head>
<title> Weekday </title>
</head>
<script type="text/javascript">
var n=prompt("Enter a number between 1 and 7");
switch (n)
{        case (n="1"):
         document.write("Sunday");
         break;
         case (n="2"):
          document.write("Monday");
         break;
          case (n="3"):
         document.write("Tuesday");
          break;
         case (n="4"):
         document.write("Wednesday");
         break;
         case (n="5"):
         document.write("Thursday");
         break;
         case (n="6"):
         document.write("Friday");
         break;
         case (n="7"):
         document.write("Saturday");
         break;
```

```
        default:
        document.write("Invalid Weekday");
        break;          }
</script>
 </html>
```

Output





CA10 – LOGIN FORM

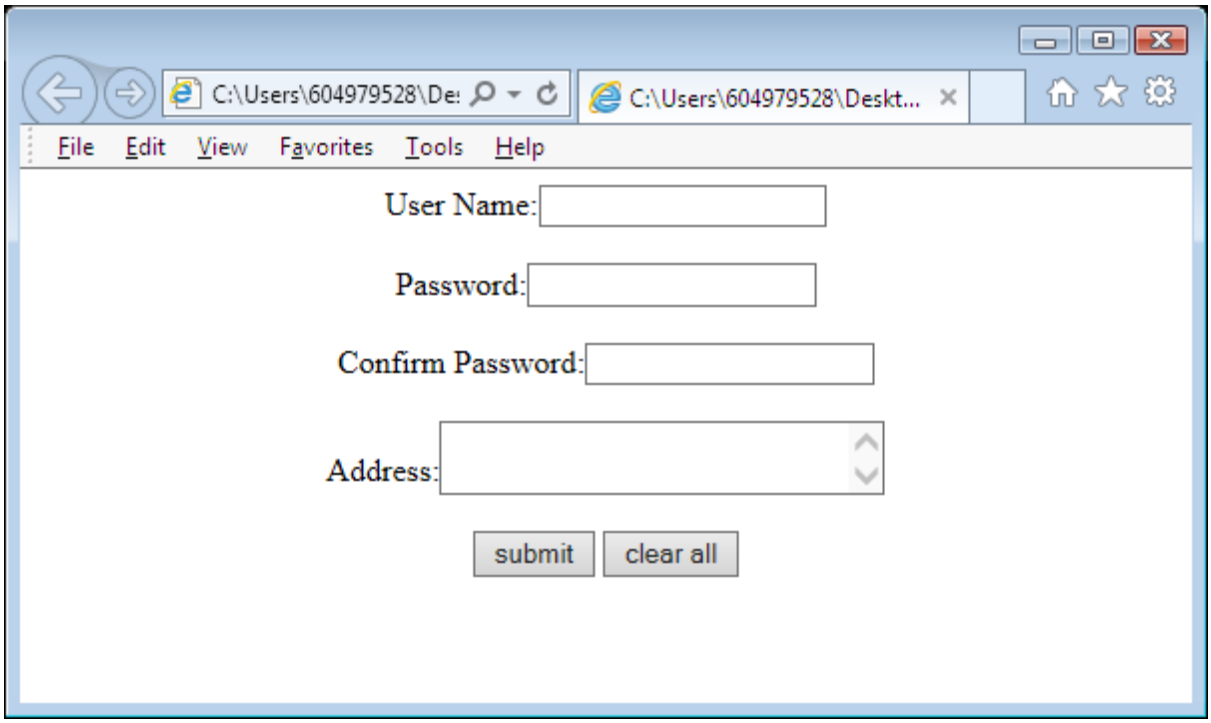
CA-10	Create a Form using JavaScript to get username, password and address, validate the inputs.

Coding

```
<html>
<head>
<script type="text/javascript">
function sub()
{
if(document.getElementById("t1").value == "")
alert("Please Enter your Name");
else if(document.getElementById("t2").value == "")
alert("Please Enter a Password");
else if(document.getElementById("t2").value != document.getElementById("t3").value)
alert("Please Enter Eorrect Password");
else if(document.getElementById("t4").value == "")
alert("Please Enter Your Address");
else
alert("Form has been Submitted");
}
</script>
</head>
<body>
<form>
<p align="center">
User Name:<input type="text" id="t1"><br><br>
Password:<input type="text" id="t2"><br><br>
Confirm Password:<input type="text" id="t3"><br><br>
Address:<textarea rows="2" cols="25" id ="t4"></textarea><br><br>
<input type="button" value="submit" onclick="sub()">
<input type="reset" value="clear all">
</p>
</form>
```

```
</body>
</html>
```

Output



Internal Choice for the Programs

Qno.	Question	Qno.	Question	Choice
CA1	Writer – Formatting Invoice	CA6	CSS – Formatting Webpage	CA1 or CA10
CA2	Calc – Interest Calculation	CA7	JavaScript – Display Text	CA2 or CA8
CA3	HTML – Form Design	CA8	JavaScript – Multiplication Table	CA3 or CA9
CA4	HTML – Height and Weight Table	CA9	JavaScript – Display Weekdays in Words	CA4 or CA6
CA5	HTML – Nested List	CA10	JavaScript – Login Form	CA5 or CA7