CONTENTS

1. Develop and demonstrate a XHTML document that illustrates the use external style sheet, ordered list, table, borders, padding, color and the tag.

1.html

```
<?xml version="1.0" encoding="utf-8"?>

<!DOCTYPE html PUBLIC "-//W3C//DTD//XHTML 1.1//EN"

"http://www.w3.org/TR/DTD/xhtml11/xhtml11.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head>

<title>Program 1</title>

<link rel="stylesheet" type="text/css" href=”1.css"/>

</head>

<body>

<p><h3>for span</h3></p>

<p>my mother has<span class="brown">light brown</span>eyes</p>

<p>my mother has<span class="green">light green</span>eyes</p>

<br/><br/>

<p><h3>for ordered List</h3></p>

<p>type upper-roman</p>

<ol class="upper-roman">

        <li>coffee</li>

        <li>tea</li>

        <li>cool drinks</li>

</ol><br/><br/>

<p>type upper-alpha</p>

<ol class="upper-alpha">

      <li>coffee</li>

      <li>tea</li>

      <li>cool drinks</li>
```

```
</ol><br/><br/>
<p>type decimal</p>
<ol class="decimal">
	<li>coffee</li>
	<li>tea</li>
	<li>cool drinks</li>
</ol><br/><br/>
<p>type lower-roman</p>
<ol class="lower-roman">
	<li>coffee</li>
	<li>tea</li>
	<li>cool drinks</li>
</ol><br/><br/>
<p>type lower-alpha</p>
<ol class="lower-alpha">
	<li>coffee</li>
	<li>tea</li>
	<li>cool drinks</li>
</ol><br/><br/>
<p>for table</p>
<table border="5">
<caption>fruit juice drinks</caption>
<tr>
		<th></th>
		<th class="red">apple</th>
		<th class="orange">orange</th>
		<th class="grey">screw driver</th>
```

```
</tr>
<tr>
        <th class="red">break fast</th>
        <td>0</td>
        <td>1</td>
        <td>0</td>
</tr>
<tr>
      <th class="orange">lunch</th>
      <td>1</td>
      <td>0</td>
      <td>0</td>
</tr>
<tr>
      <th class="grey">dinner</th>
      <td>0</td>
      <td>0</td>
      <td>1</td>
</tr>
</table>
<br/><br/>
<p class="one">Welcome to ait</p>
<p class="two">Welcome to ait</p>
<p class="three">Welcome to ait</p>
<p class="four">Welcome to ait</p>
<p class="five">Welcome to ait</p>
</body>
```

```
</html>
```

1.css

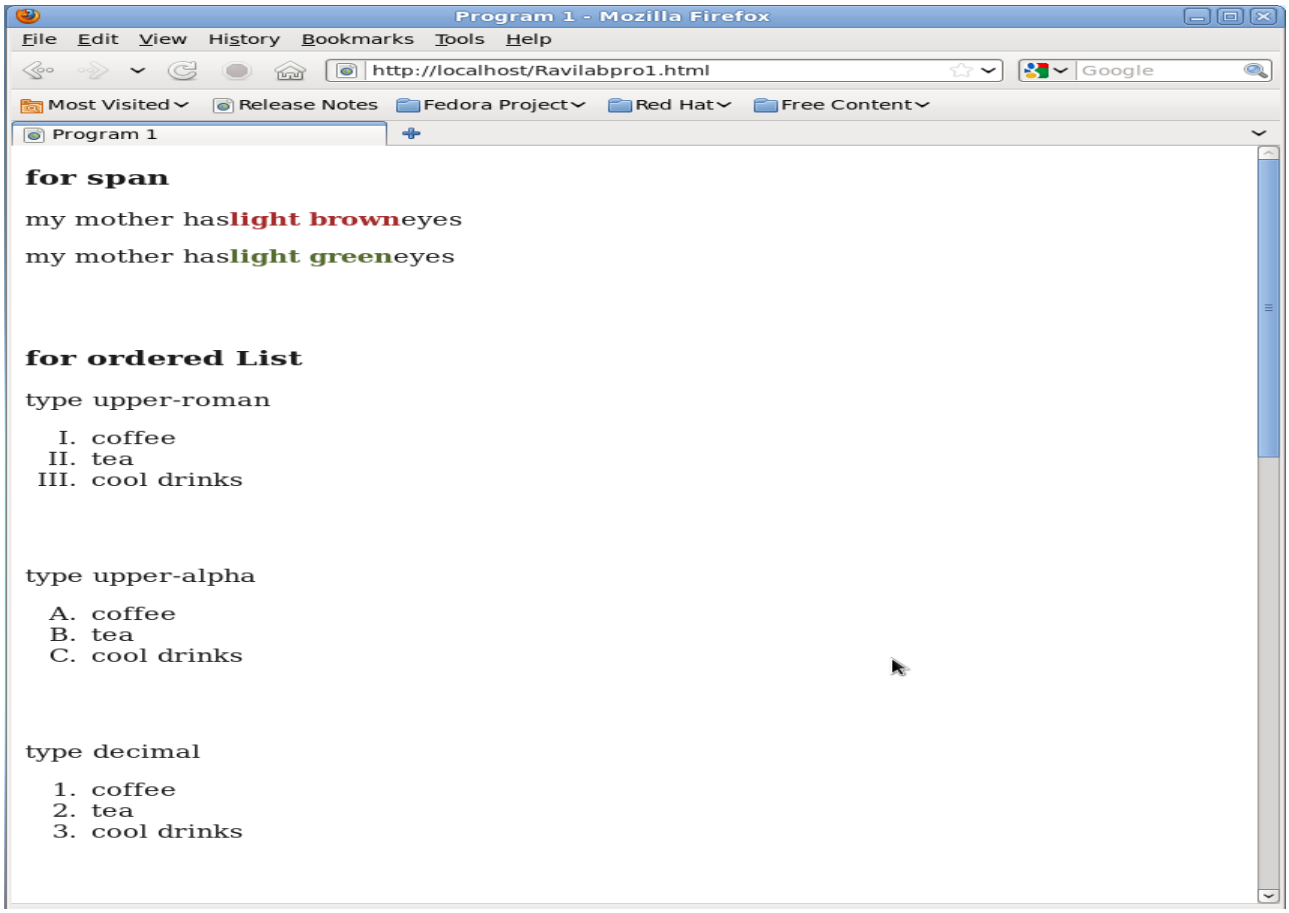
```
span.brown
        {
        color:brown;
        font-weight:bold;
        }
span.green
        {
        color:darkolivegreen;
        font-weight:bold;
        }
ol.upper-roman
        {
        list-style-type:upper-roman;
        }
ol.upper-alpha
      {
      list-style-type:upper-alpha;
      }
ol.decimal
      {
      list-style-type:decimal;
      }
ol.lower-roman
        {
```

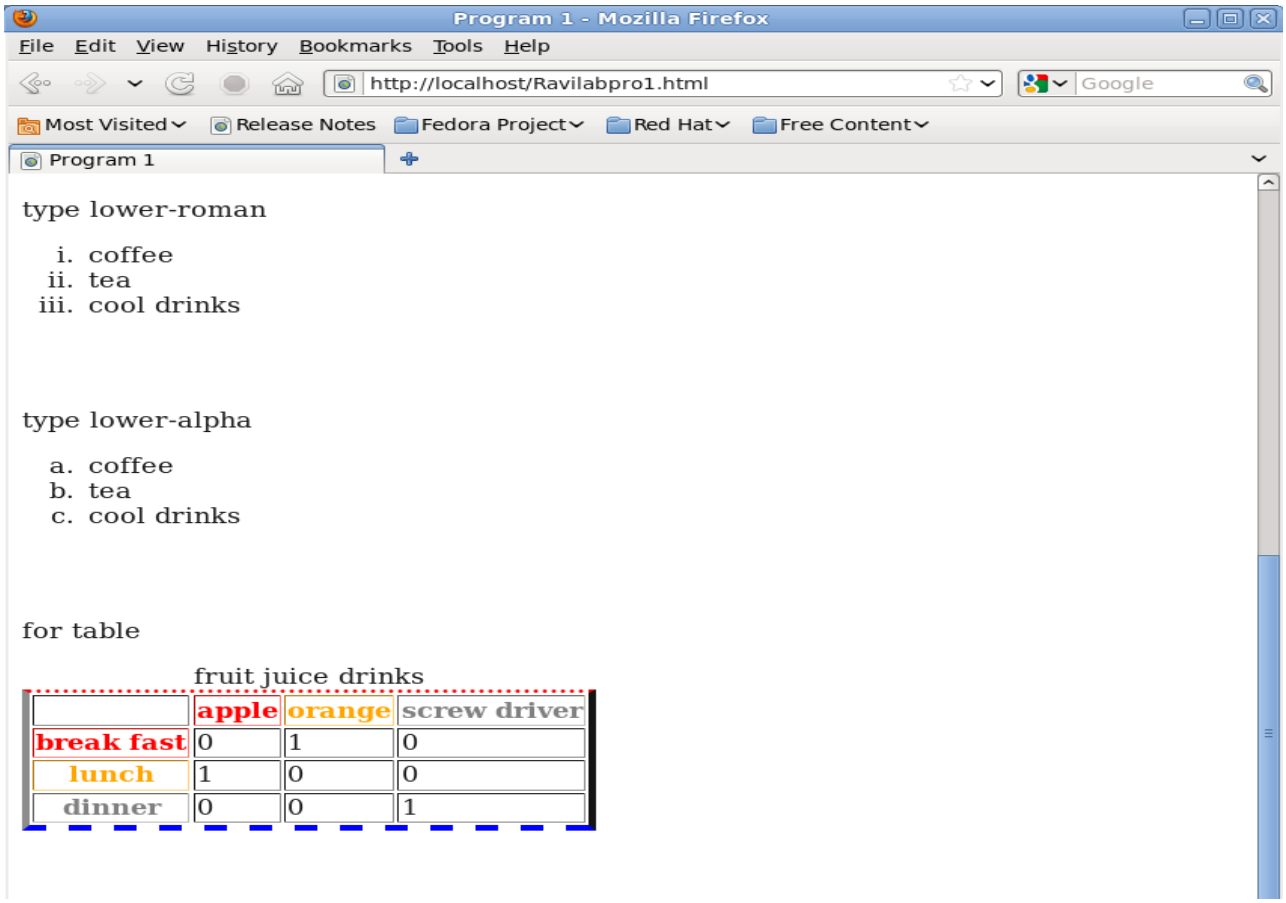
```
        list-style-type:lower-roman;
        }
ol.lower-alpha
        {
        list-style-type:lower-alpha;
        }
table
        {
        border-top-width:medium;
        border-bottom-width:thick;
        border-top-color:red;
        border-bottom-color:blue;
        border-top-style:dotted;
        border-bottom-style:dashed;
        }
p.one
        {
        margin:0.2in;
        padding:0.2in;
        background-color:silver;
        border-style:dashed;
        }
p.two
    {
    margin:0.1in;
    padding:0.1in;
    background-color:grey;
```

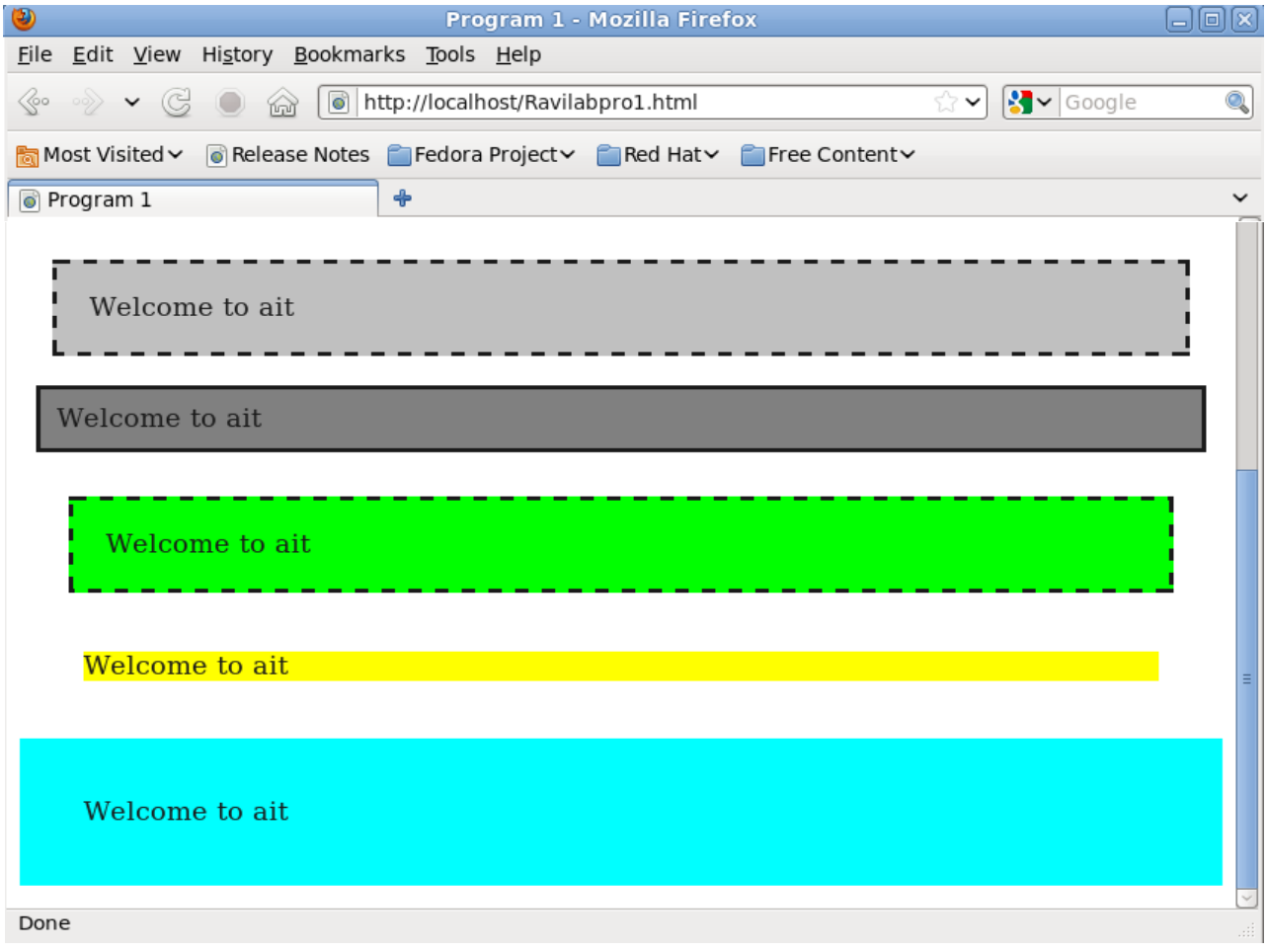
```
        border-style:solid;
        }
p.three
        {
        margin:0.3in;
        padding:0.2in;
        background-color:lime;
        border-style:dashed;
        }
p.four
        {
        margin:0.4in;
        background-color:yellow;
        }
p.five
        {
        padding:0.4in;
        background-color:aqua;
        }
th.grey
           {
           color:grey;
           }
th.red
        {
        color:red;
        }
```

```
th.orange
    {
    color:orange;
    }
```

Output:-




Program 1 - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro1.html
Most Visited Release Notes Fedora Project Red Hat Free Content
Program 1
type lower-roman
i. coffee
ii. tea
iii. cool drinks
type lower-alpha
a. coffee
b. tea
c. cool drinks
for table
fruit juice drinks
apple orange screw driver
break fast 0 1 0
lunch 1 0 0
dinner 0 0 1


Program 1 - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro1.html
Most Visited Release Notes Fedora Project Red Hat Free Content
Program 1
Welcome to ait
Welcome to ait
Welcome to ait
Welcome to ait
Welcome to ait
Done

2. Develop and demonstrate a XHTML file that includes JavaScript script for the following problems:

a) *Input:* A number n obtained using prompt
***Output*: The first n Fibonacci numbers**

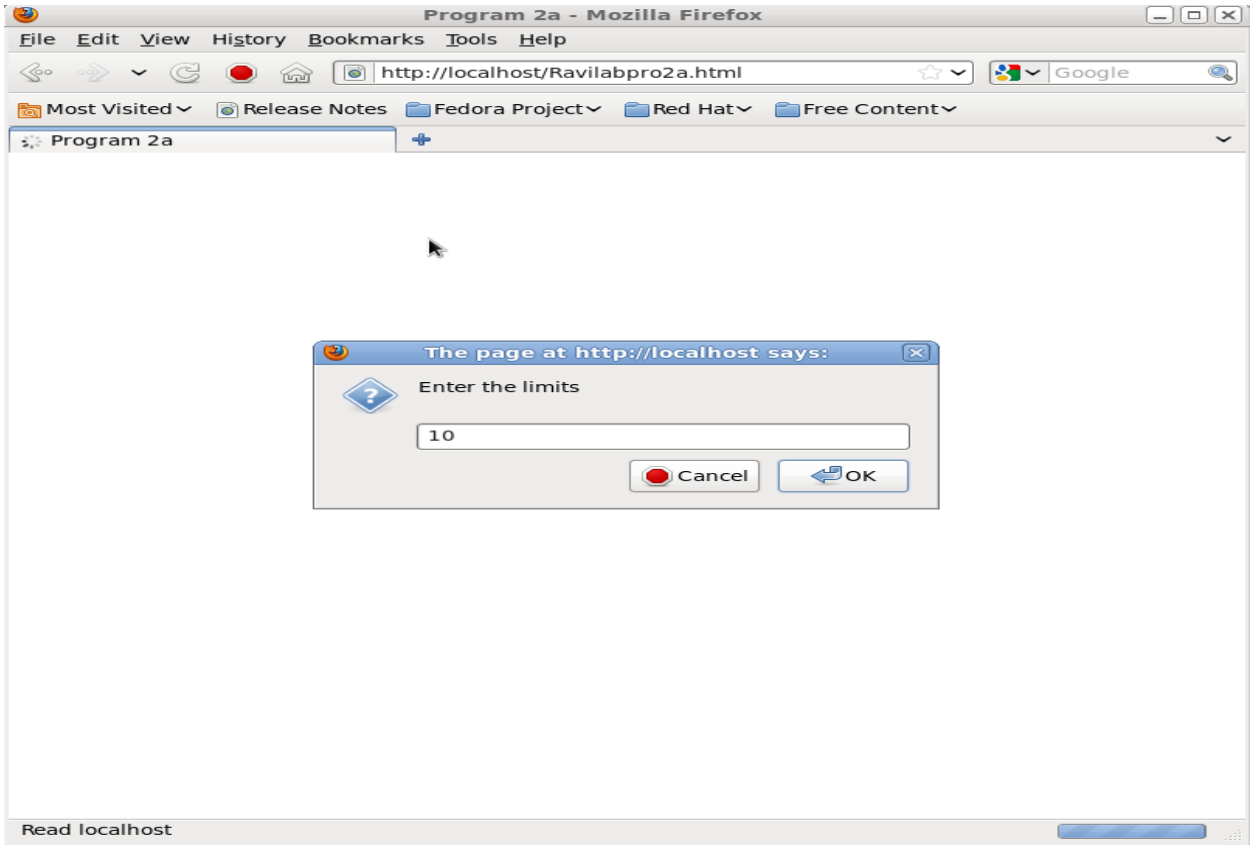
b) *Input:* A number n obtained using prompt
***Output:* A table of numbers from 1 to n and their squares using alert**

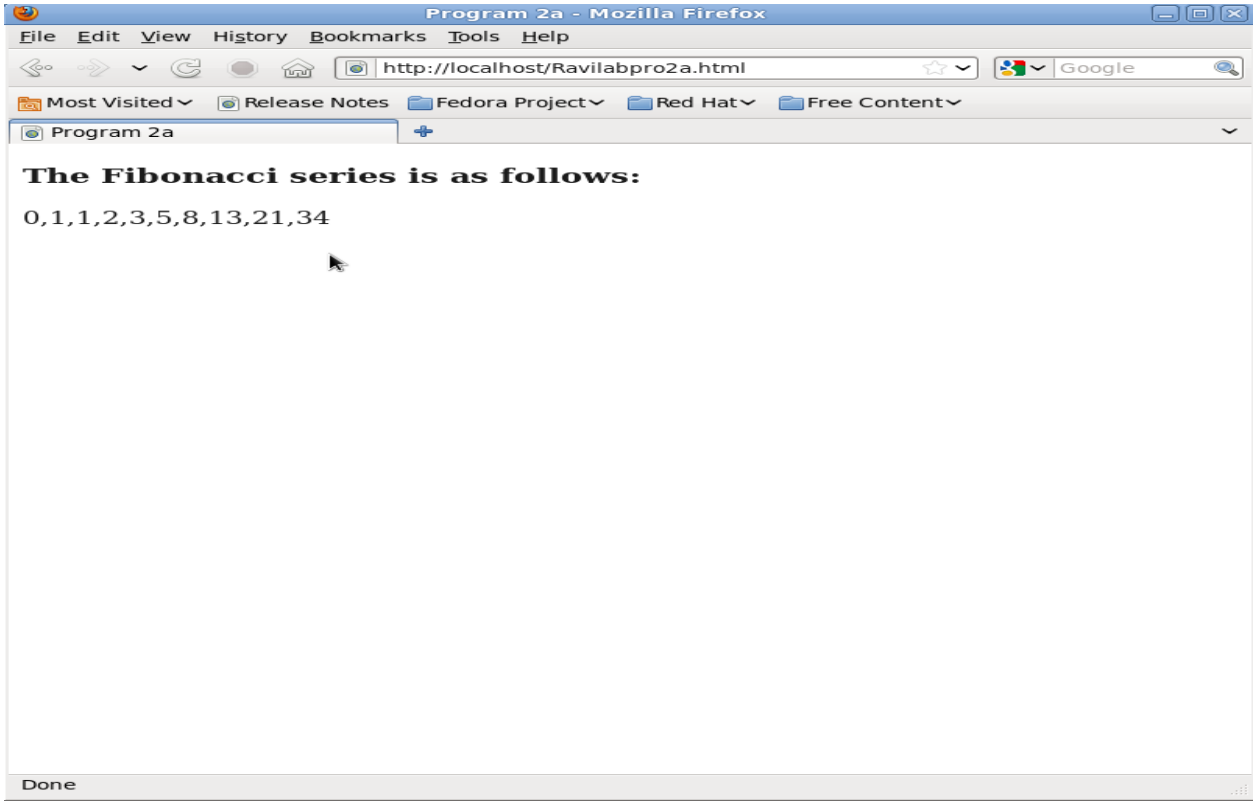
2a.html

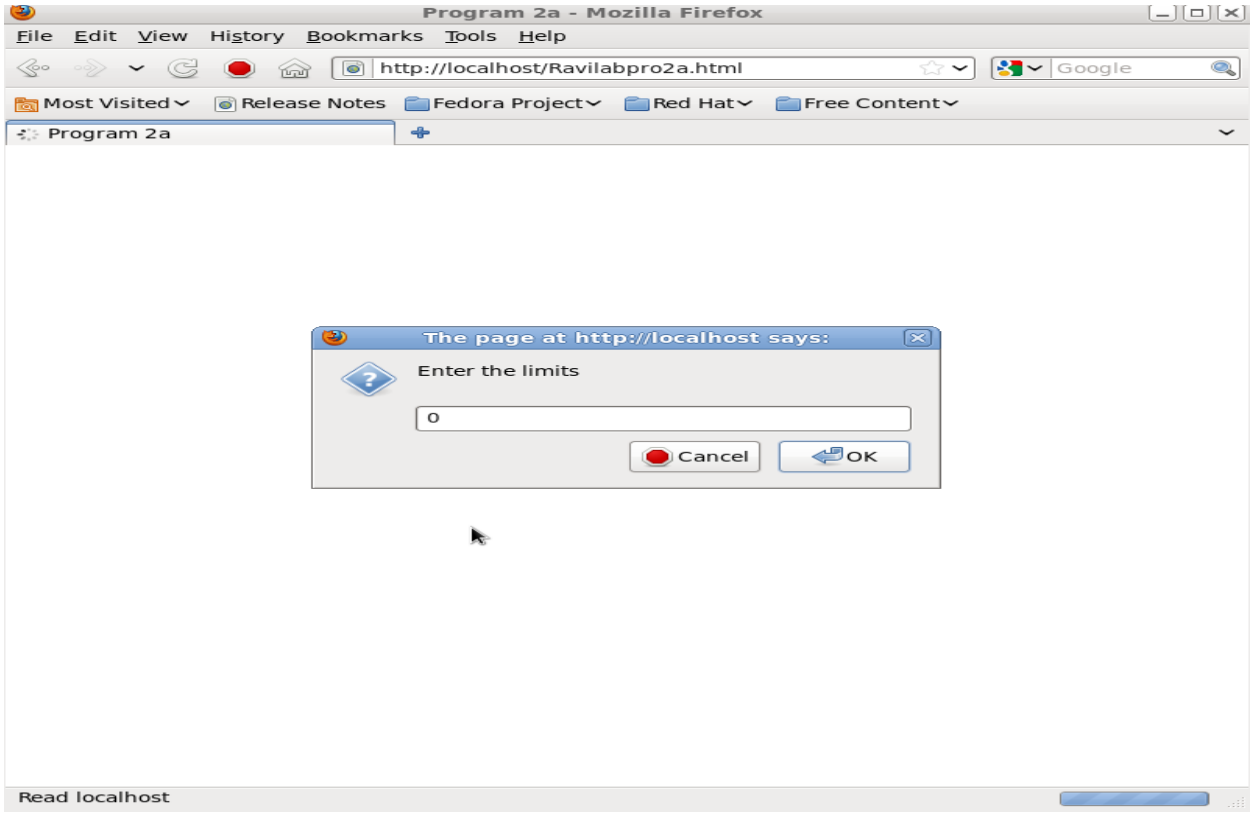
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTMl 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<script type="text/javascript">
        function fun(str)
                {
                var num=Number(str);
                var i=0,j=1,k,count;
                if(num==0)
                        document.write("<h3>"+"No number"+"</h3>");
                else if(num==1)
                        {
                        document.write("<h3>"+"The Fibonacci series is as follows:"+"</h3>");
                        document.write(i);
                        }
                else
                        {
                        document.write("<h3>"+"The Fibonacci series is as follows:"+"</h3>");
                        document.write(i);
                        document.write(","+j);
                        for(count=2;count<num;count++)
                                {
```

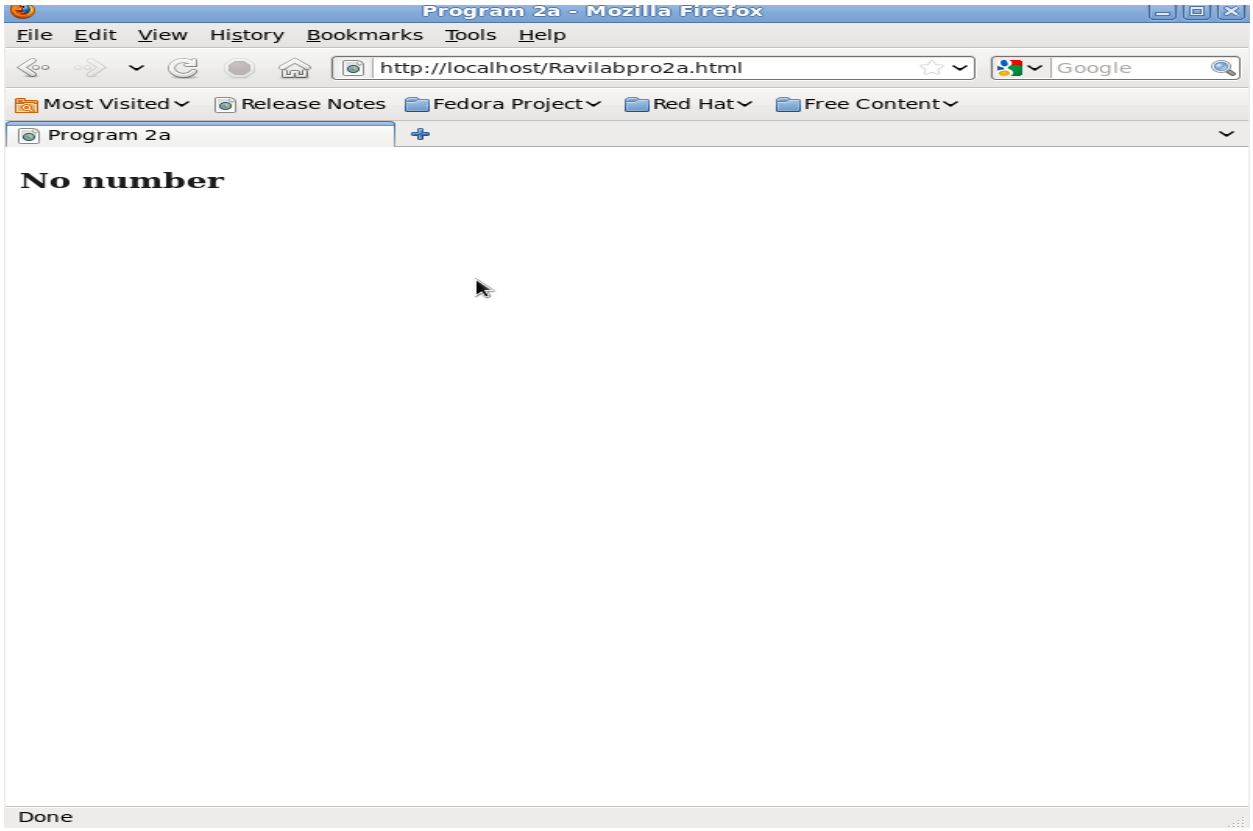
```
                    k=i+j;
                    i=j;
                    j=k;
                    document.write(","+k);
                    }
                }
            }
</script>
<title>Program 2a</title>
</head>
<body>
<script type="text/javascript">
var input_str=prompt("Enter the limits","");
if(input_str=="")
    {
    alert("Please enter a valid number");
    input_str=prompt("Enter the limits","");
    }
fun(input_str);
</script>
</body>
</html>
```

Output:-


Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2a.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The page at http://localhost says:
Enter the limits
10
Cancel
OK
Read localhost


Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2a.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The Fibonacci series is as follows:
0,1,1,2,3,5,8,13,21,34
Done

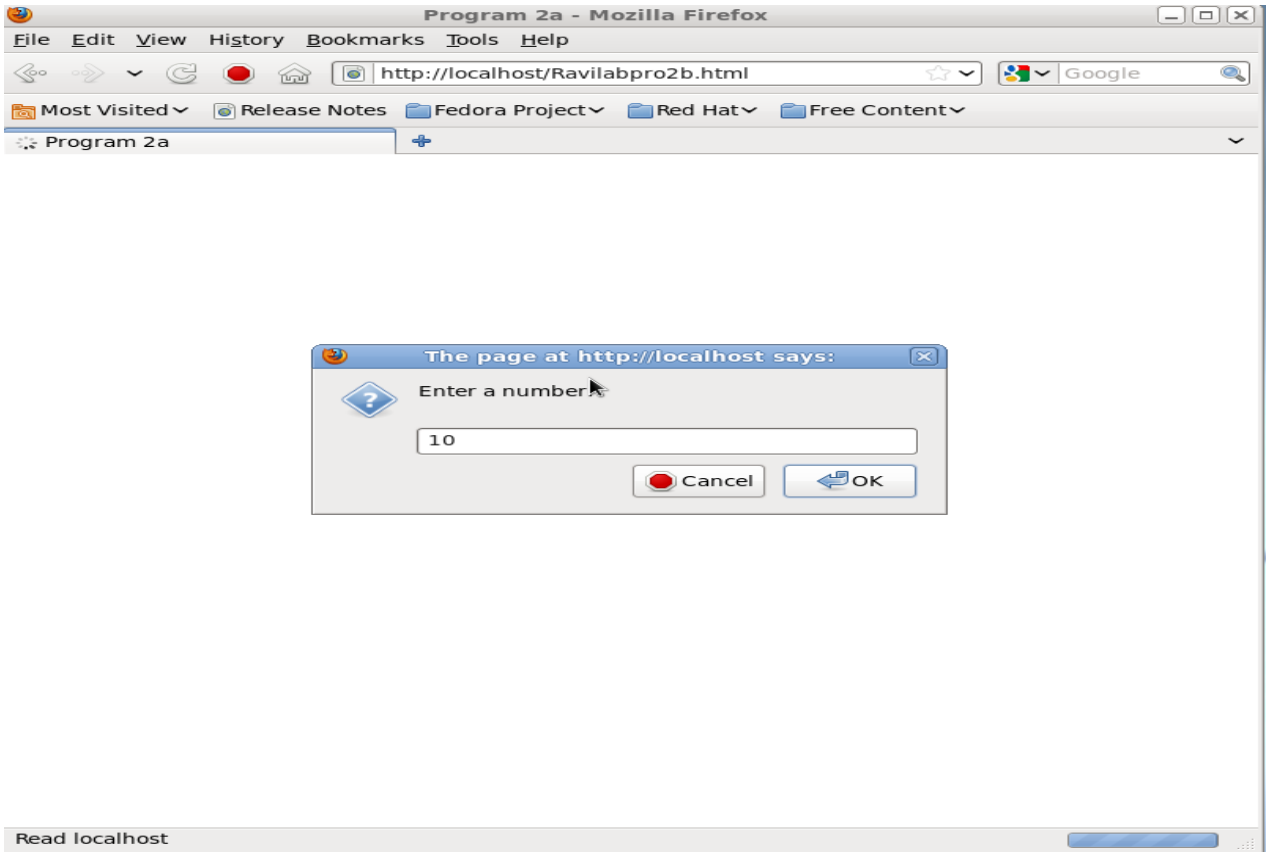

Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2a.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The page at http://localhost says:
Enter the limits
0
Cancel
OK
Read localhost

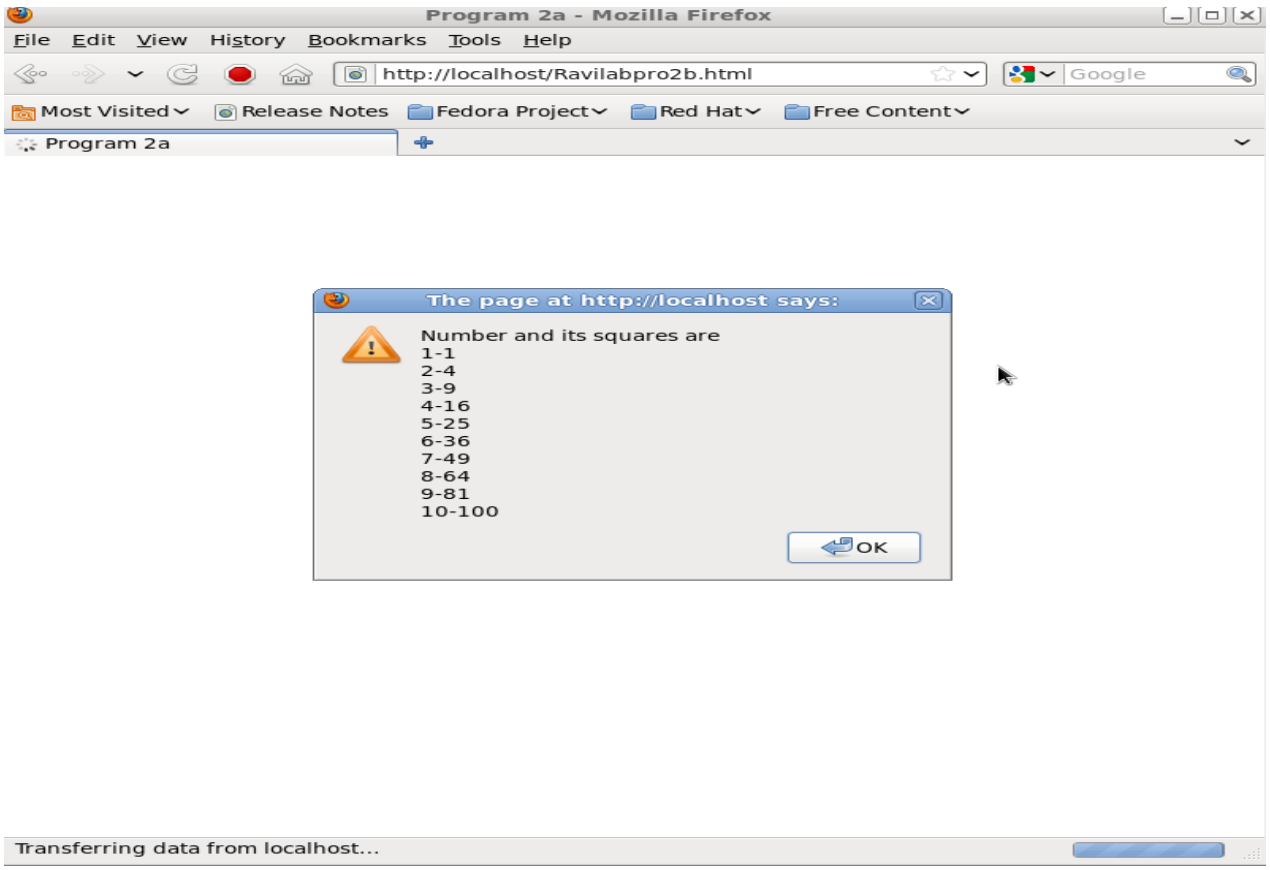

Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2a.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
No number
Done

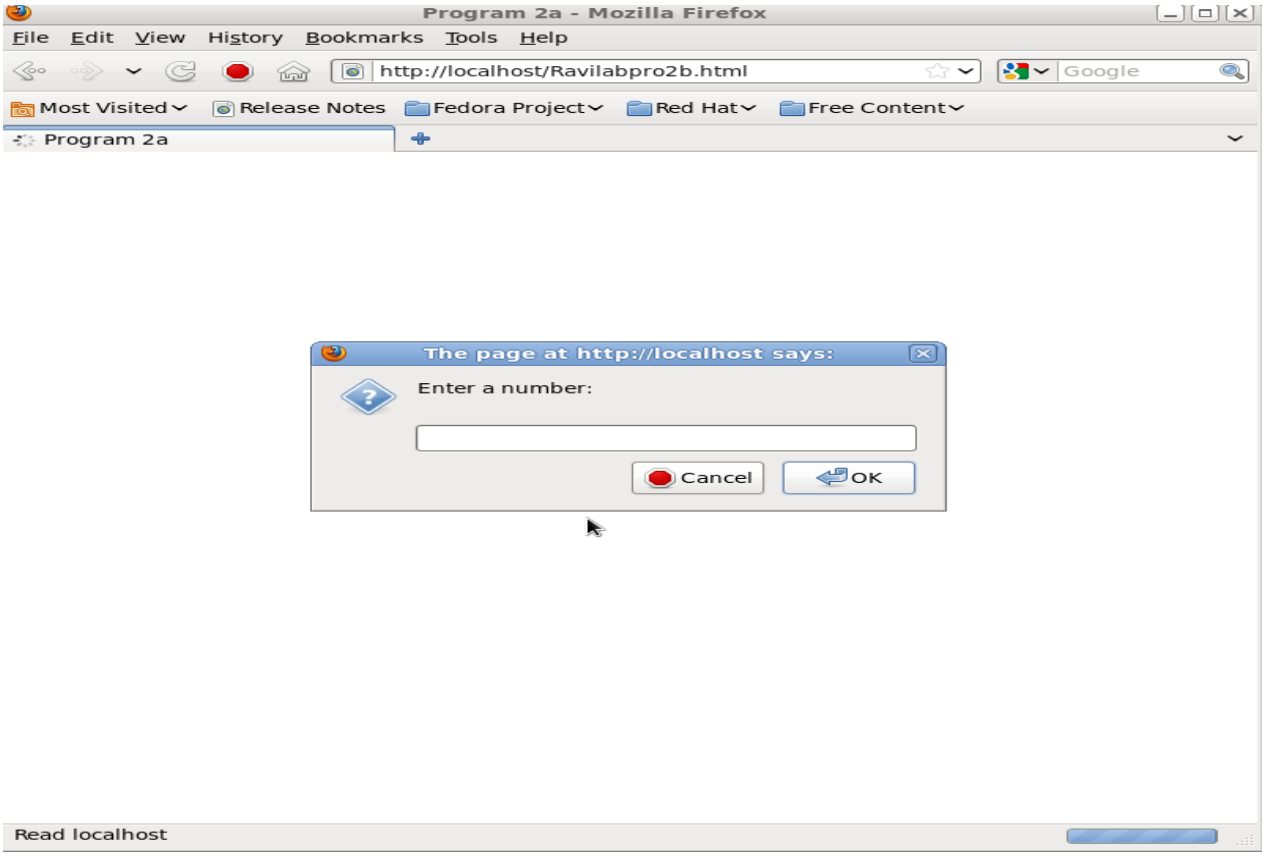
2b.html

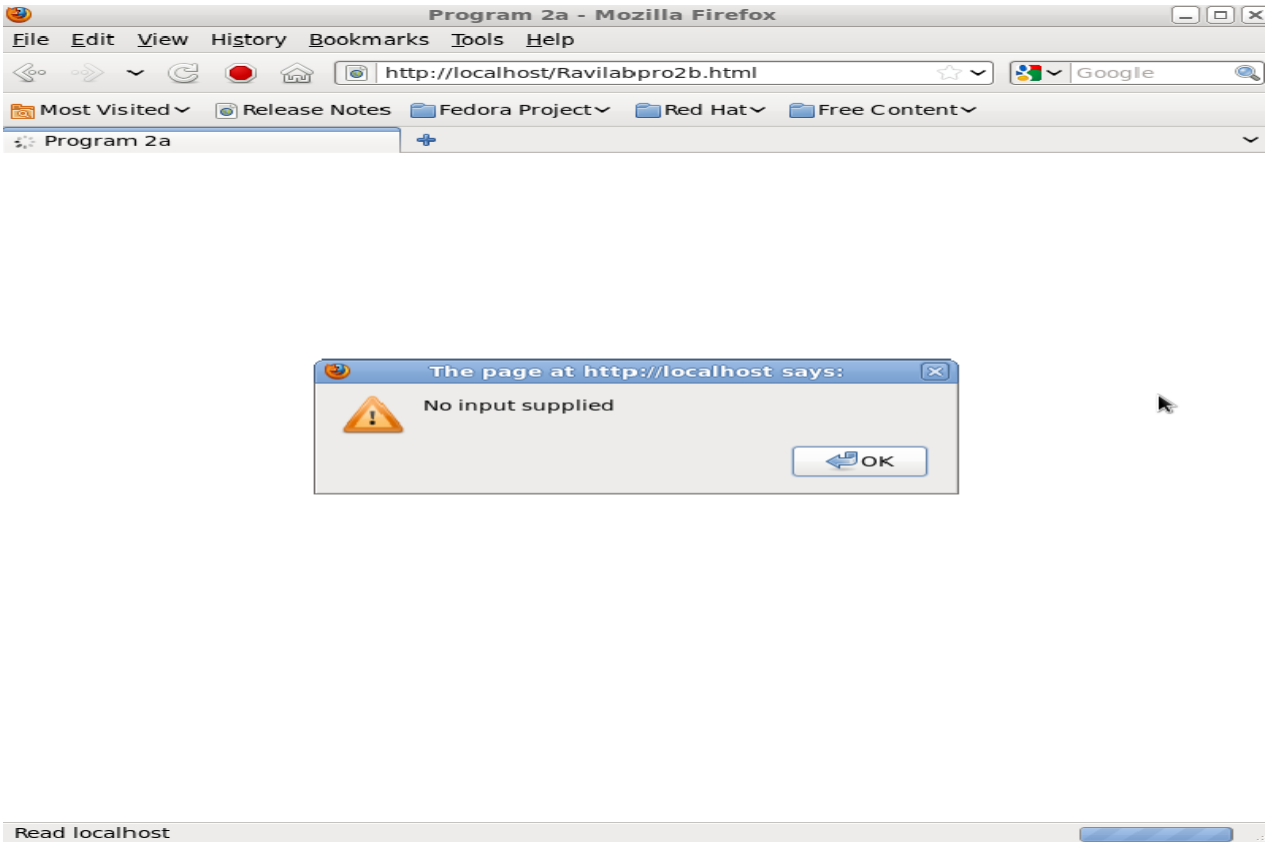
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//En"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org./1999/xhtml">
<head>
<title>Program 2a</title>
</head>
<body>
<script type="text/javascript">
var num=prompt("Enter a number: \n","");
if(num>0 && num!=null)
        {
        msgstr="Number and its squares are \n";
        for(i=1;i<=num;i++)
                {
                msgstr=msgstr+i+"-"+i*i+"\n";
                }
        alert(msgstr);
        }
else
        alert("No input supplied");
</script>
</body>
</html>
```

Output:-


Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The page at http://localhost says:
Enter a number:
10
Cancel
OK
Read localhost


Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The page at http://localhost says:
Number and its squares are
1-1
2-4
3-9
4-16
5-25
6-36
7-49
8-64
9-81
10-100
OK
Transferring data from localhost...


Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The page at http://localhost says:
Enter a number:
Cancel
OK
Read localhost


Program 2a - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro2b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 2a
The page at http://localhost says:
No input supplied
OK
Read localhost

3. Develop and demonstrate a XHTML file that includes JavaScript script that uses functions for the following problems:

a) **Parameter: A string**
   Output: The position in the string of the left-most vowel
b) **Parameter: A number**
   Output: The number with its digits in the reverse order

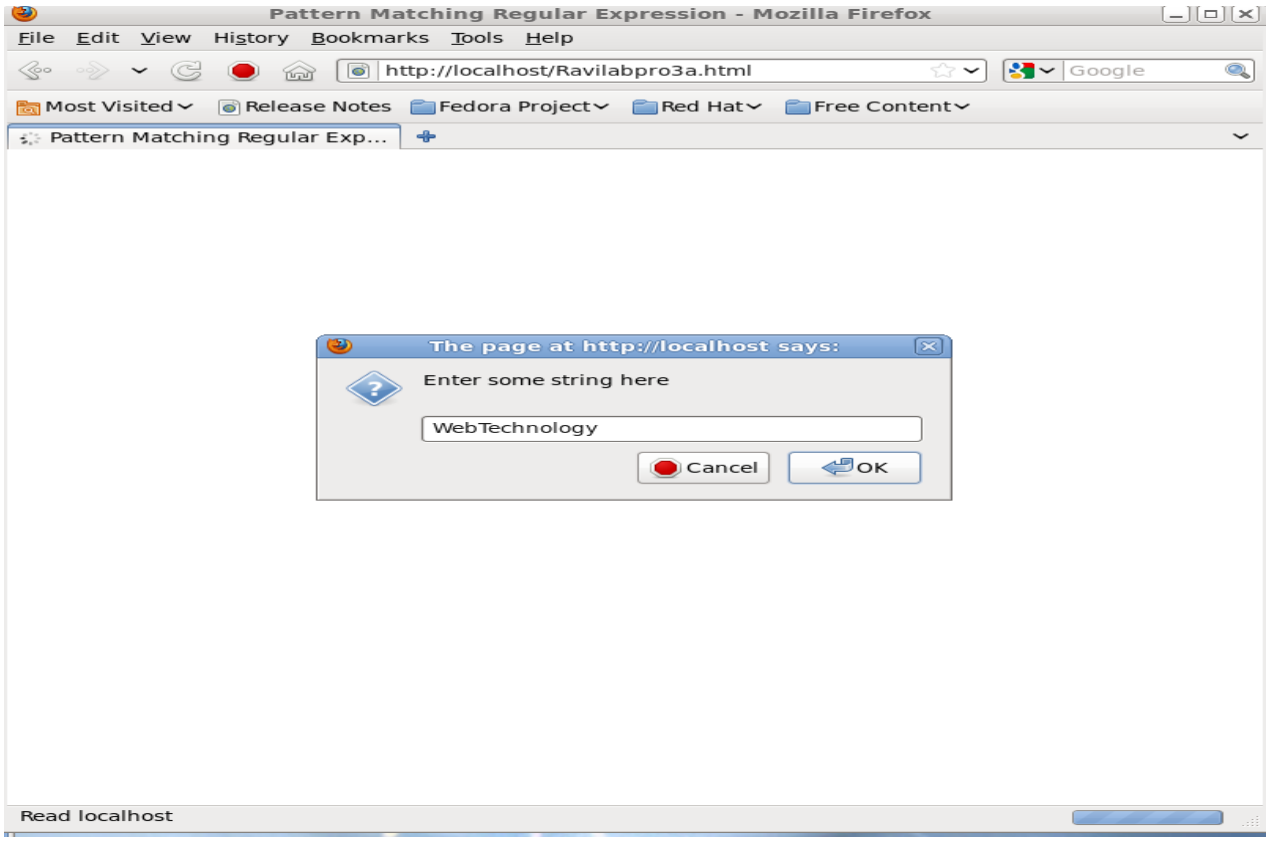
3a.html

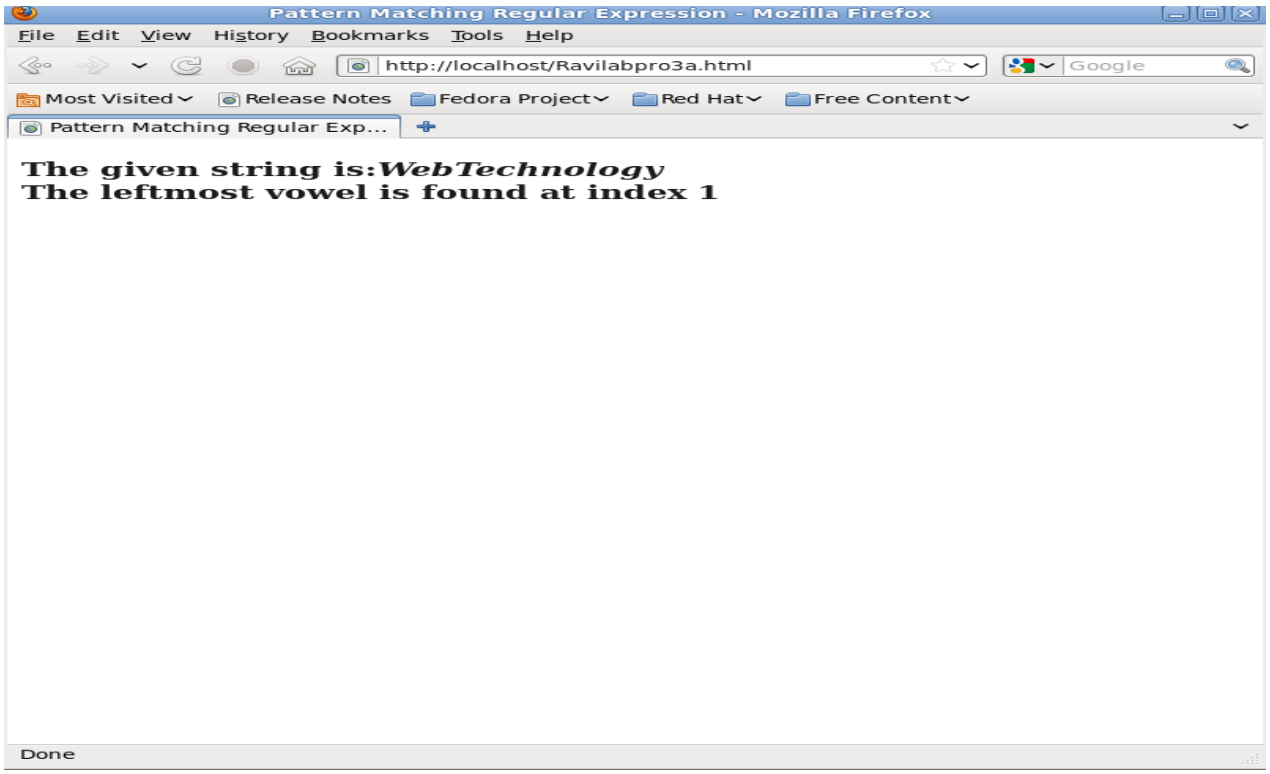
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTMl 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Pattern Matching Regular Expression</title>
<script type="text/javascript">
function TestString(str)
        {
        document.write("The given string is:");
        document.write("<em>"+str+"</em>"+"<br/>");
        var i=str.match(/[aeiouAEIOU][a-zA-Z]*/);
        return i;
        }
</script>
</head>
<body>
<h3>
<script type="text/javascript">
var input_str=prompt("Enter some string here","");
p=TestString(input_str);
document.write("The leftmost vowel is found at index"+"   "+p.index);
</script>
</h3>
```

```
</body>

</html>
```

Output:-



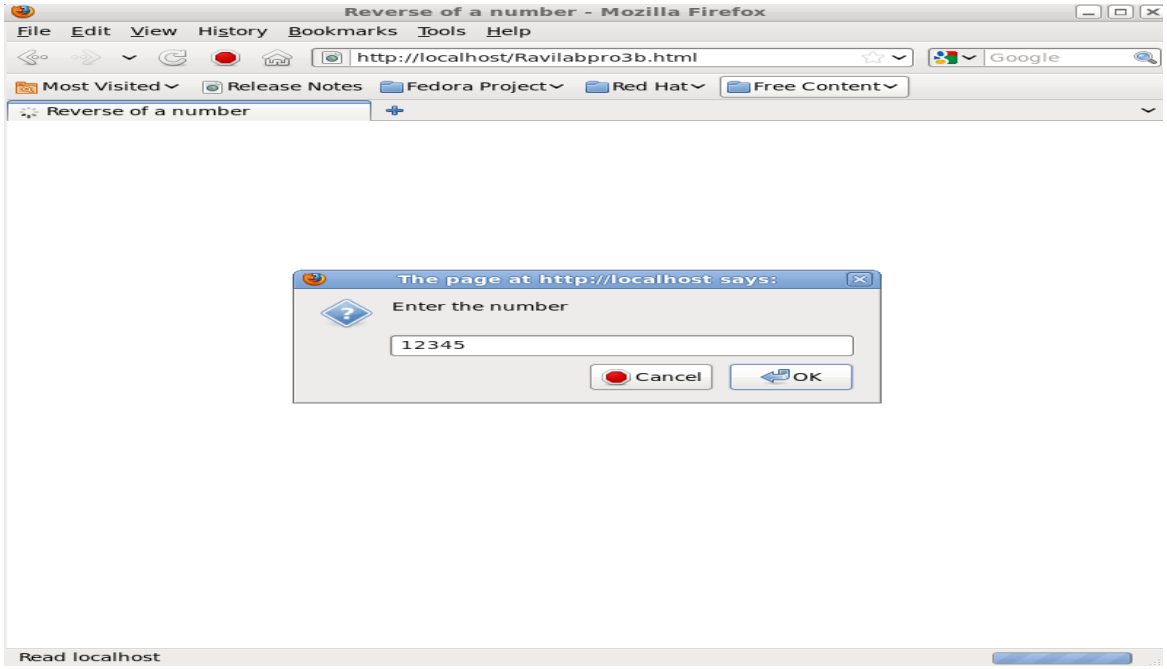


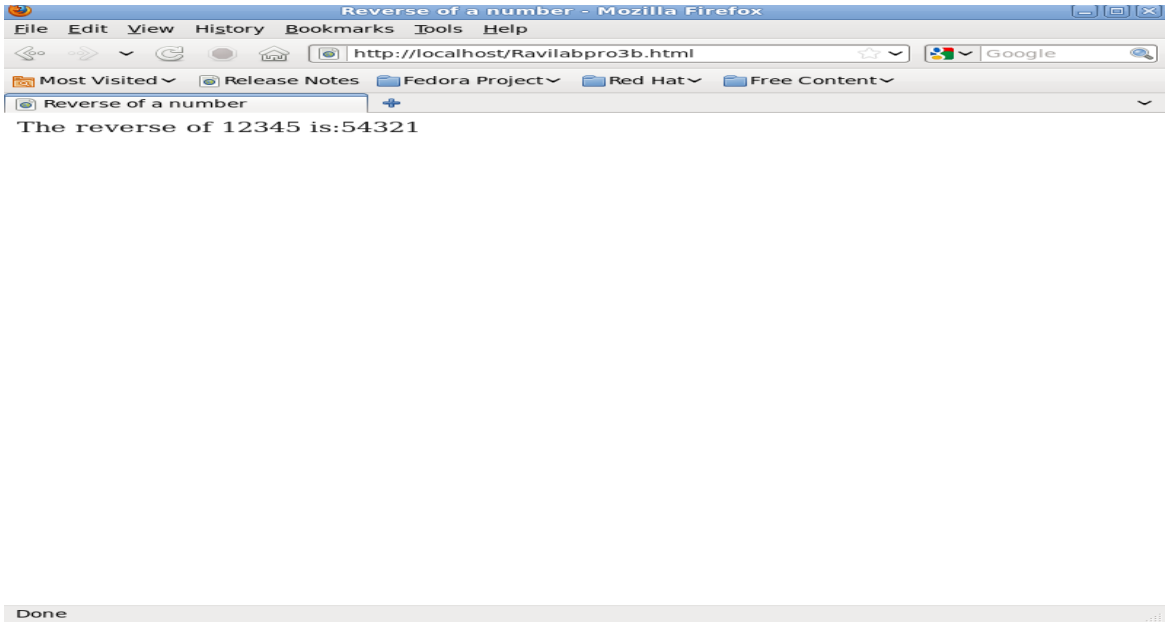
3b.html

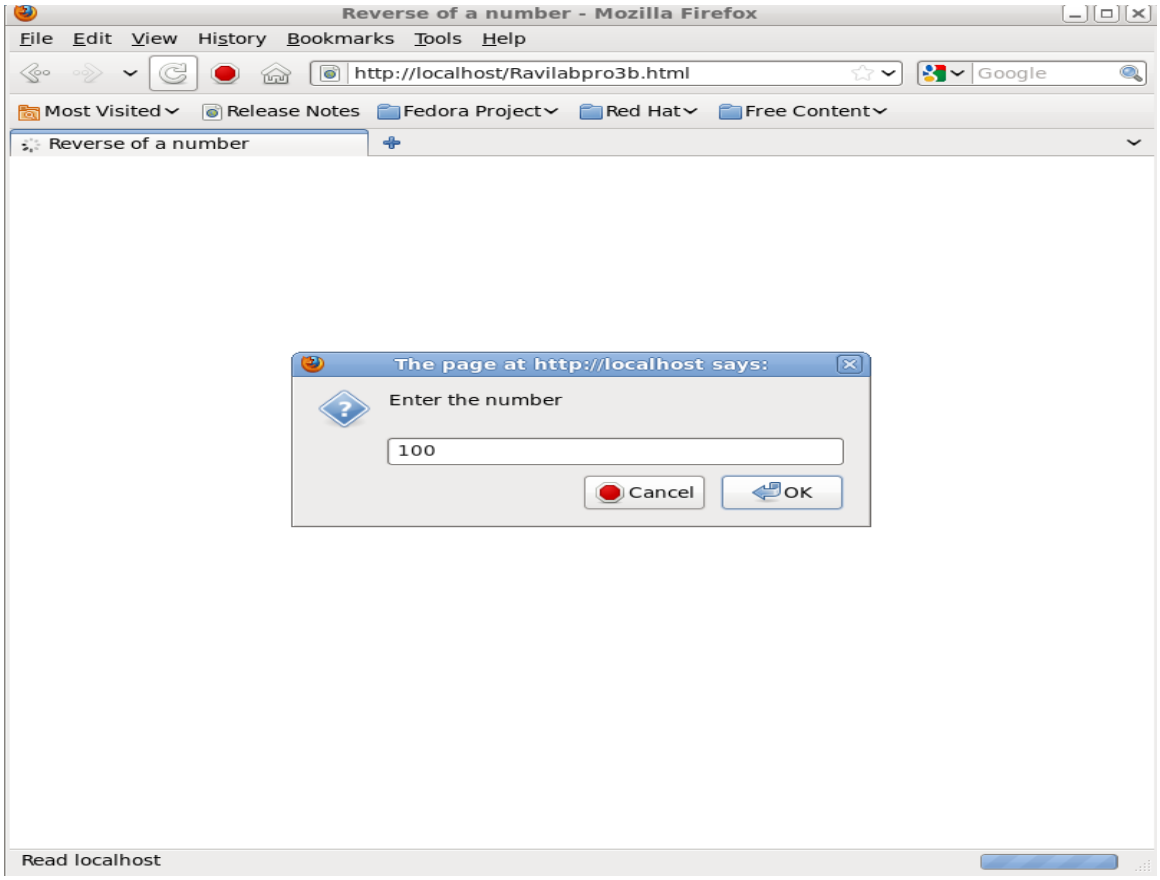
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Reverse of a number</title>
<script type="text/javascript">
var result;
function reverser(num)
{
var digit,position=0;
if(num<10)
return num;
result=num%10;
num=Math.floor(num/10);
do
{
digit=num%10;
result=10*result+digit;
num=Math.floor(num/10);
}while(num>=1);
return result;
}
</script>
</head>
<body>
```

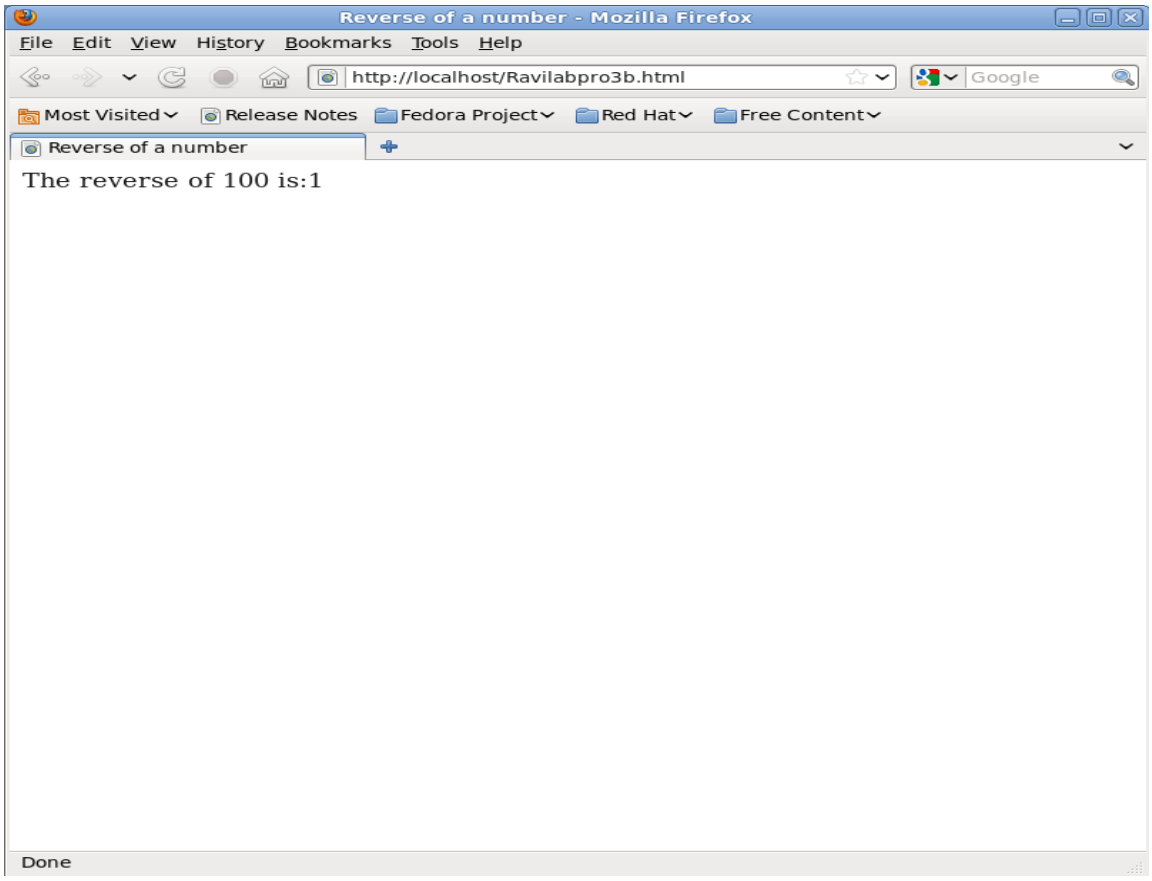
```
<script type="text/javascript">
var num1=prompt("Enter the number","");
result=reverser(num1);
document.write("The reverse of"+"  "+num1+"  "+"is:"+result+"<br/>");
</script>
</body>
</html>
```

Output:-






Reverse of a number - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro3b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Reverse of a number
The page at http://localhost says:
Enter the number
100
Cancel
OK
Read localhost


Reverse of a number - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro3b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Reverse of a number
The reverse of 100 is:1
Done

4.a) Develop and demonstrate, using JavaScript script, a XHTML document that collects the USN (the valid format is: A digit from 1 to 4 followed by two upper-case characters followed by two digits followed by two upper-case characters followed by three digits; no embedded spaces allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert windows must be produced when errors are detected.

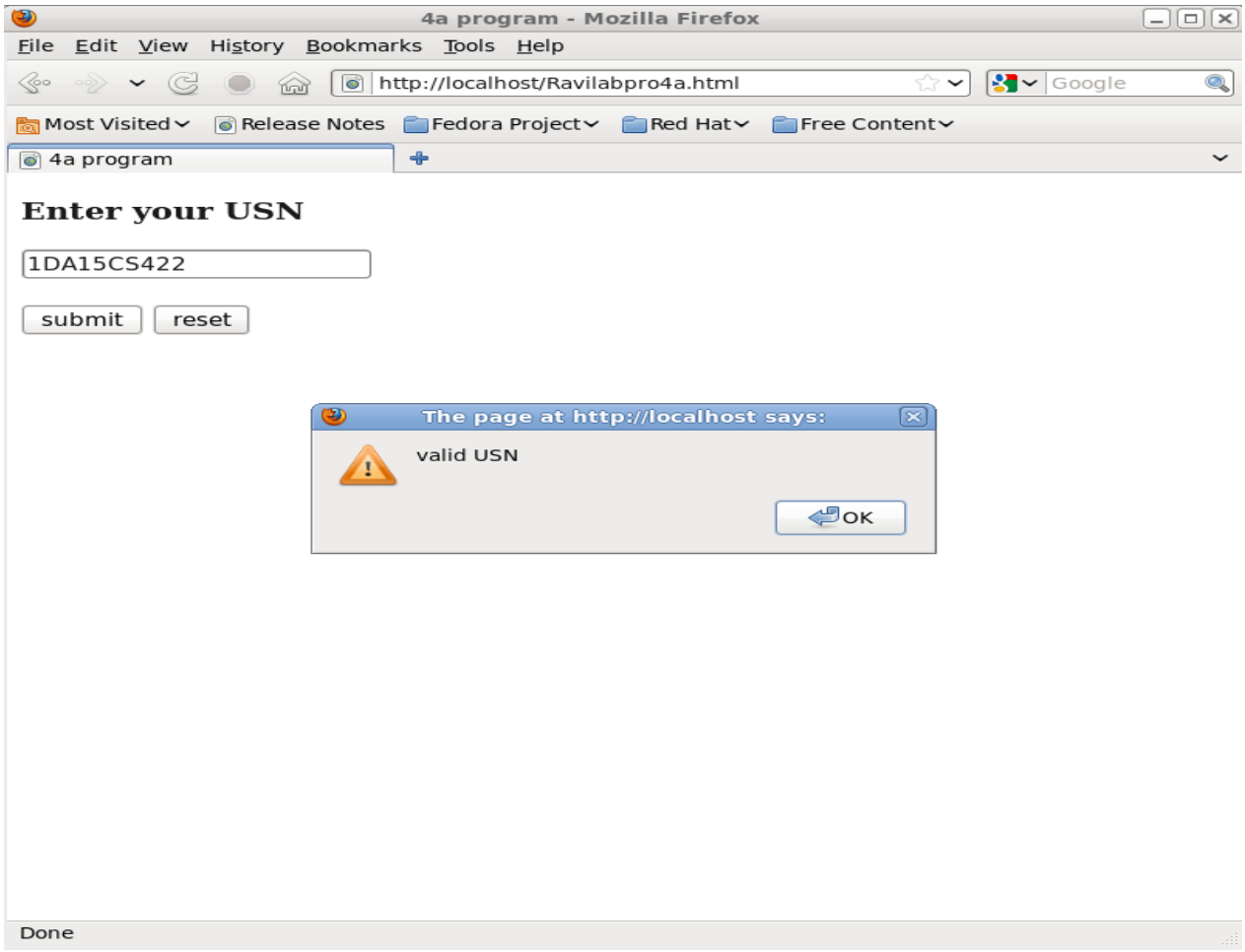
b) Modify the above program to get the current semester also (restricted to be a number from 1 to 8)

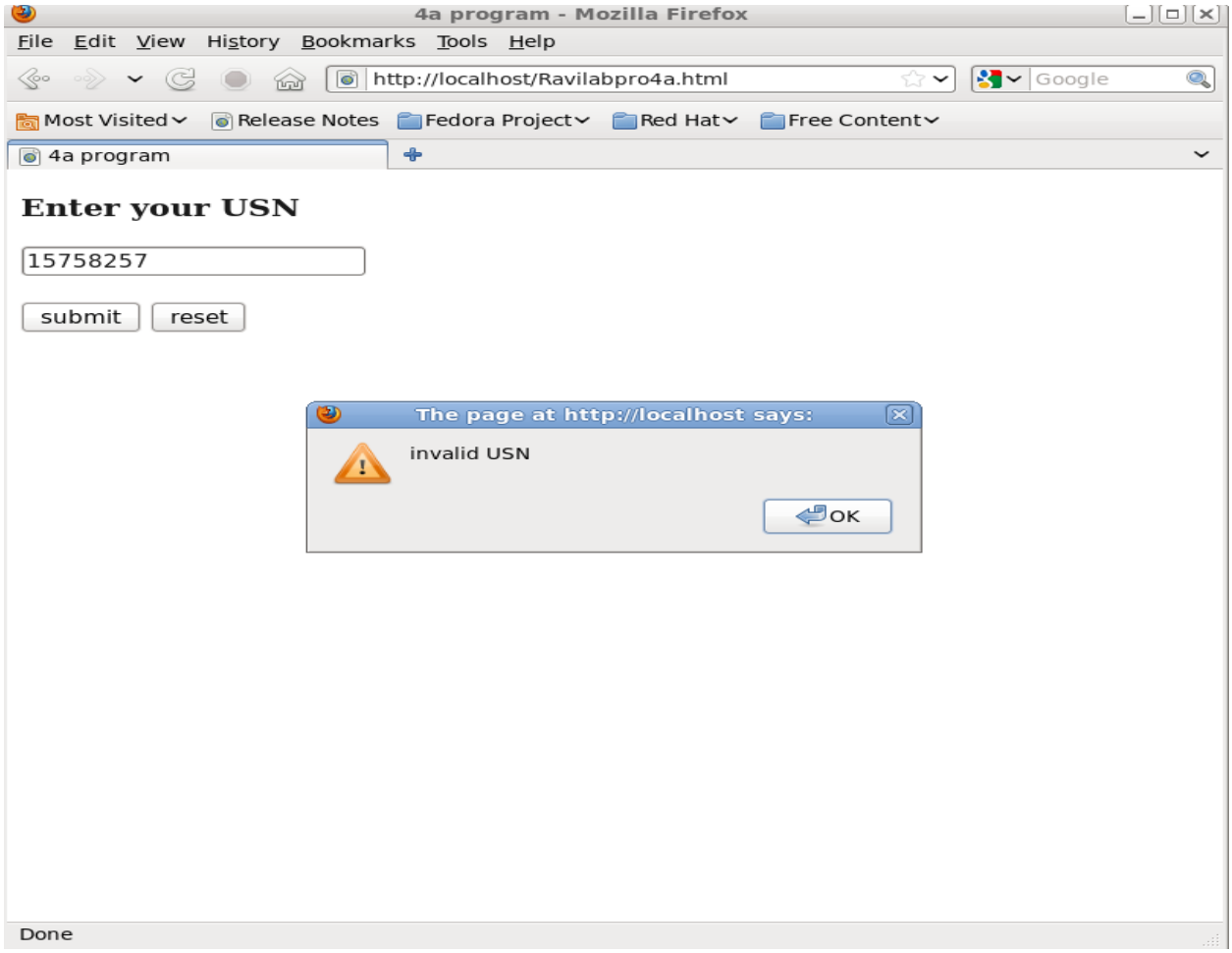
4a.html

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>4a program</title>
<script type="text/javascript">
function validate_usn()
        {
        var str1=document.getElementById("usn");
        var result=str1.value.search(/^[1-4]{1}[A-Z]{2}\d{2}[A-Z]{2}\d{3}$/i);
        if(result!=0)
                {
                alert("invalid USN");
                }
        else
                {
                alert("valid USN");
                }
        }
</script>
```

```
</head>
<body>
<form id="form1">
<h3>Enter your USN</h3>
<input type="text" id="usn"/>
<br/>
<br/>
<input type="button" OnClick="validate_usn()" value="submit"/>
<input type="reset" value="reset"/>
</form>
</body>
</html>
```

Output:-



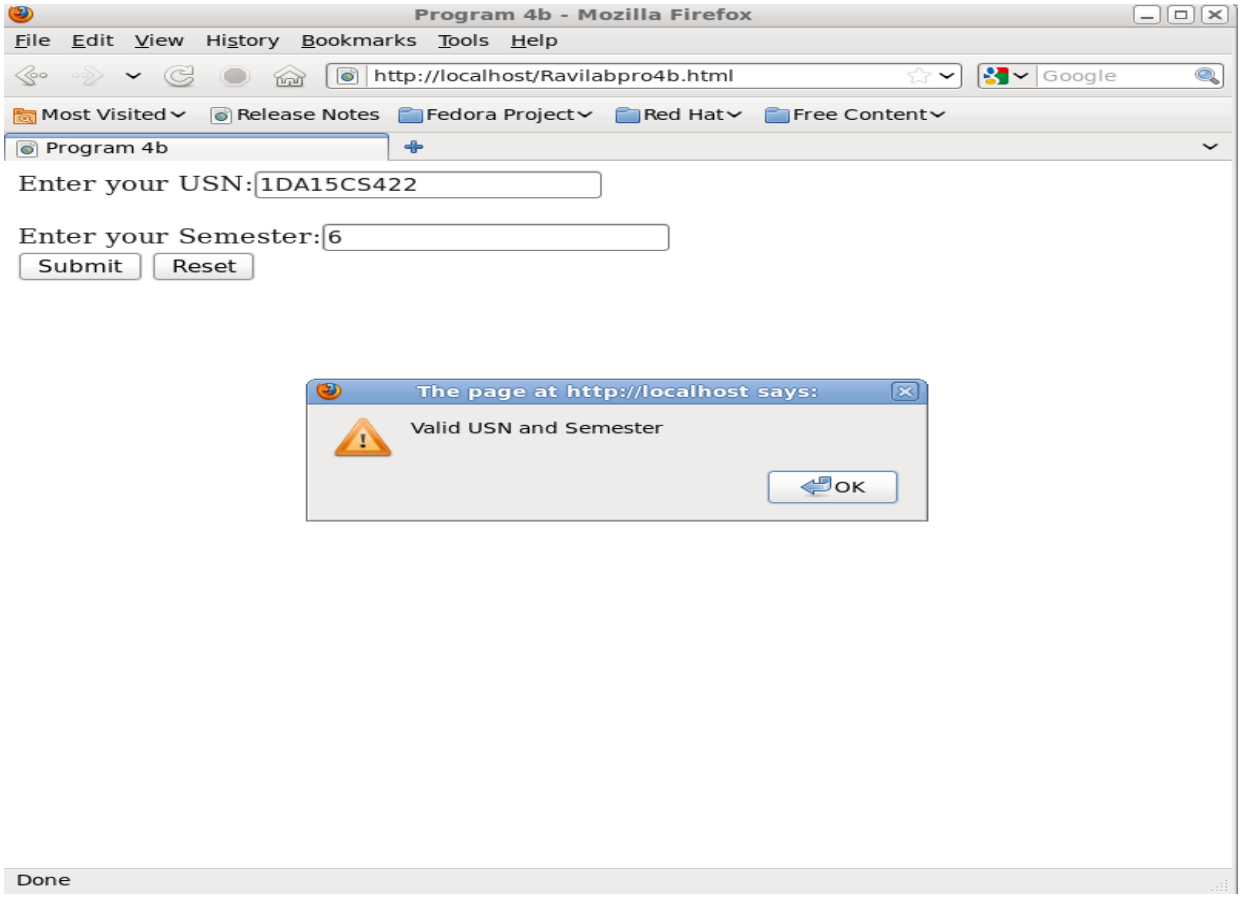

4a program - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro4a.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
4a program
Enter your USN
15758257
submit
reset
The page at http://localhost says:
invalid USN
OK
Done

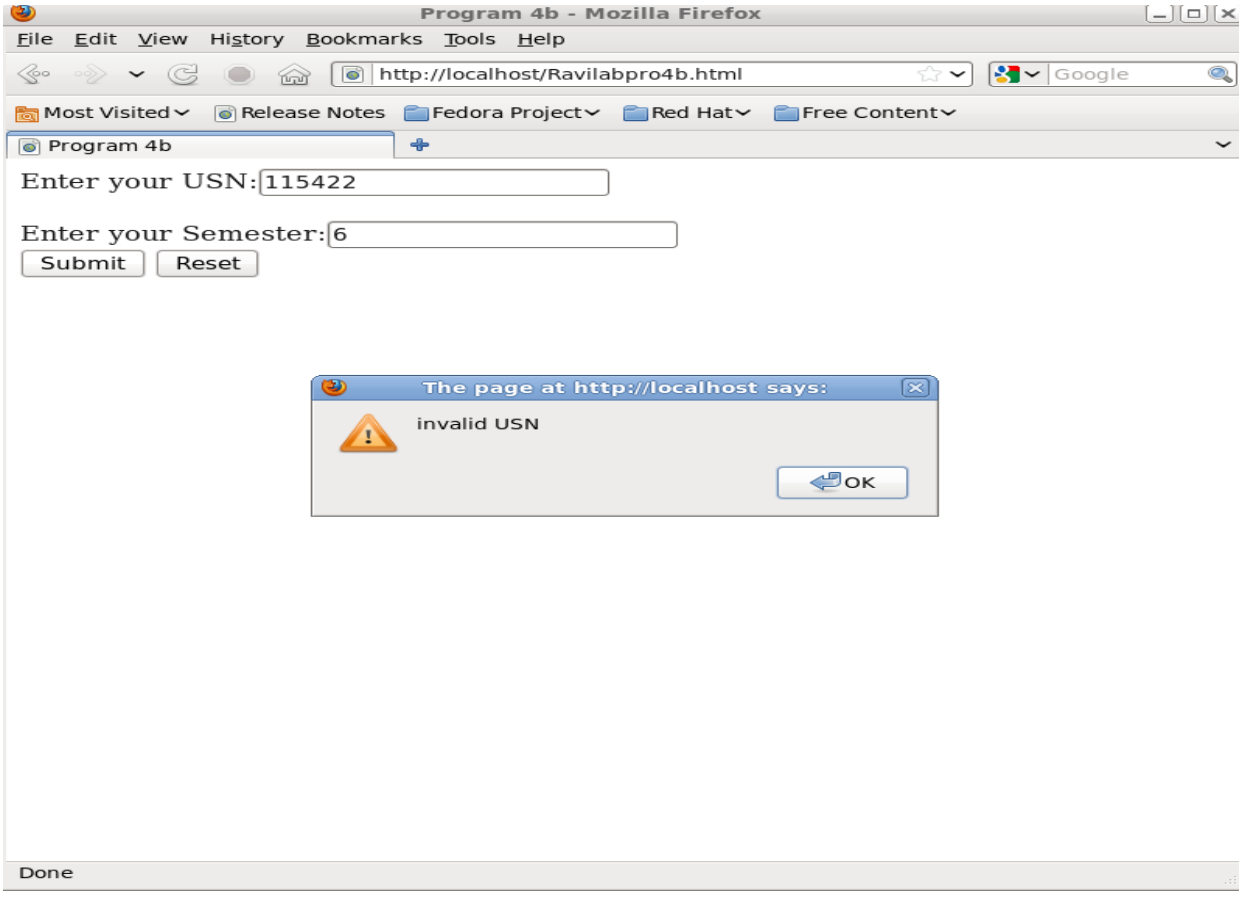
4b.html

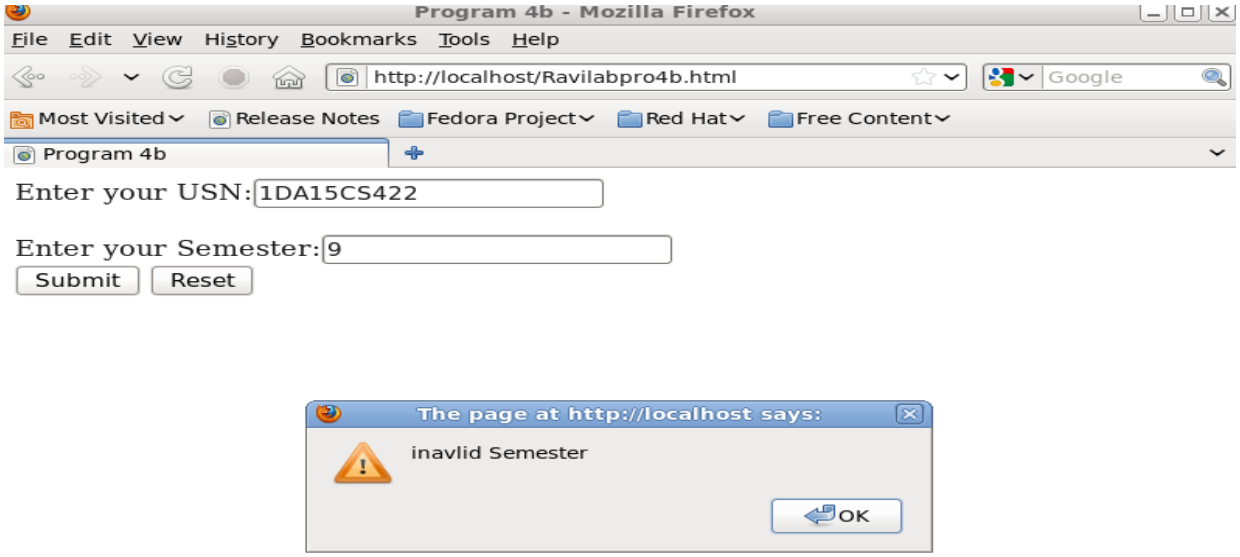
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD Xhtml 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Program 4b</title>
<script type="text/javascript">
function validate_usn()
{
var str1=document.getElementById("usn");
var valid_usn=str1.value.search(/^[1-4]{1}[A-Z]{2}\d{2}[A-Z]{2}\d{3}$/i);
var str2=document.getElementById("semi");
var valid_sem=str2.value.search(/^[1-8]{1}$/);
if(valid_usn>=0 && valid_sem>=0)
{
alert("Valid USN and Semester");
}
else if(valid_usn<0 &&valid_sem>=0)
{
alert("invalid USN");
}
else if(valid_usn>=0 && valid_sem<0)
{
alert("inavlid Semester");
}
else
```

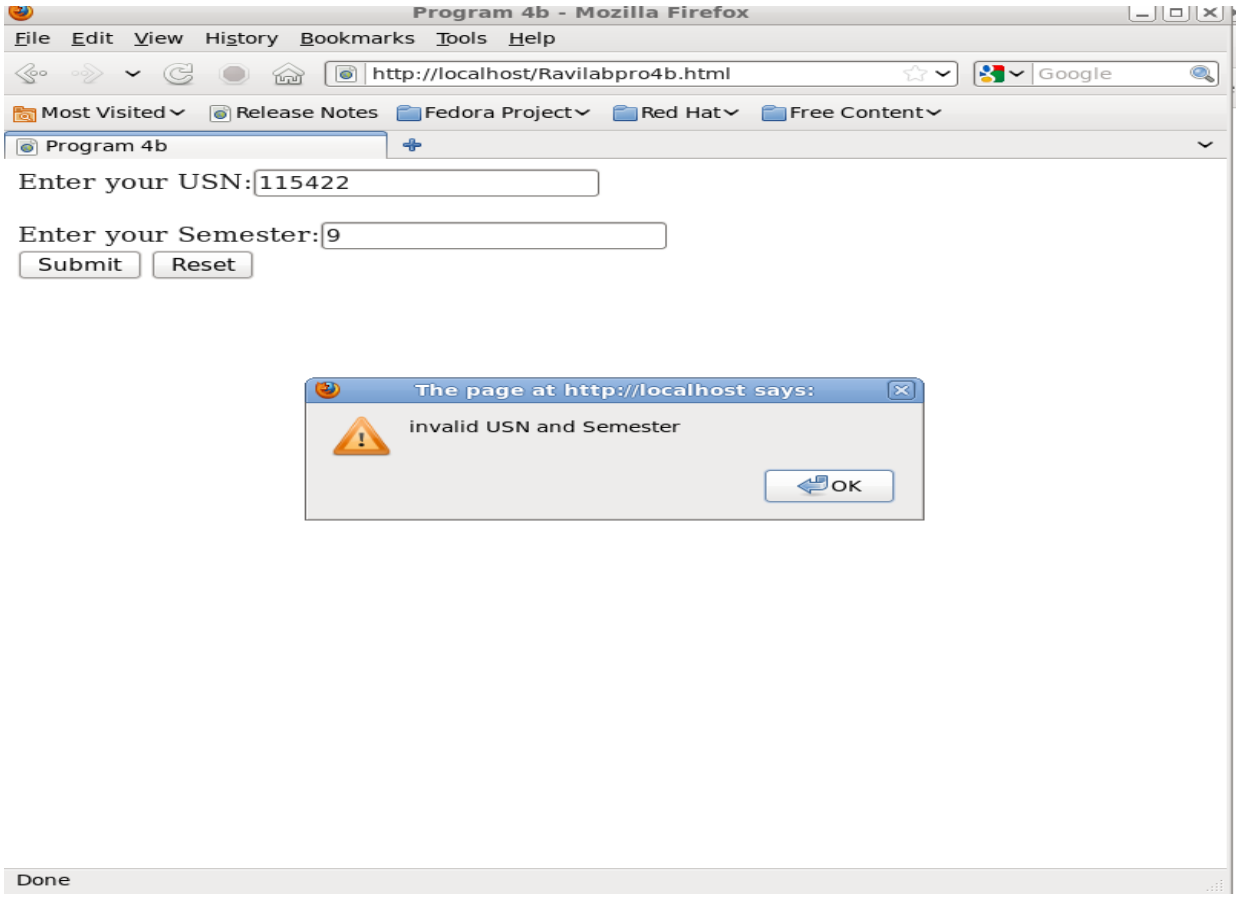
```
{
alert("invalid USN and Semester");
}
}
</script>
</head>
<body>
<form id="form1">
Enter your USN:<input type="text" id="usn"/>
<br/>
<br/>
Enter your Semester:<input type="test" id="semi"/>
<br/>
<input type="button" value="Submit" name="submit" onclick="validate_usn()"/>
<input type="reset" value="Reset" name="reset"/>
</form>
</body>
</html>
```

Output:-


Program 4b - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro4b.html
Most Visited Release Notes Fedora Project Red Hat Free Content
Program 4b
Enter your USN: 1DA15CS422
Enter your Semester: 6
Submit Reset
The page at http://localhost says:
Valid USN and Semester
OK
Done


Program 4b - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro4b.html
Most Visited Release Notes Fedora Project Red Hat Free Content
Program 4b
Enter your USN: 115422
Enter your Semester: 6
Submit Reset
The page at http://localhost says:
invalid USN
OK
Done


Program 4b - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro4b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 4b
Enter your USN:
1DA15CS422
Enter your Semester:
9
Submit
Reset
The page at http://localhost says:
inavlid Semester
OK
Done


Program 4b - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro4b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Program 4b
Enter your USN:
115422
Enter your Semester:
9
Submit
Reset
The page at http://localhost says:
invalid USN and Semester
OK
Done

5.a) Develop and demonstrate, using JavaScript script, a XHTML document that contains three short paragraphs of text, stacked on top of each other, with only enough of each showing so that the mouse cursor can be placed over some part of them. When the cursor is placed over the exposed part of any paragraph, it should rise to the top to become completely visible.

b) Modify the above document so that when a paragraph is moved from the top stacking position, it returns to its original position rather than to the bottom.

5a.css

```
.text1
{
        padding:1cm;
        width:500px;
        position:absolute;
        top:100px;
        left:200px;
        border:solid thick black;
        background-color:pink;
}
.text2
{
        padding:1cm;
        width:500px;
        position:absolute;
        top:120px;
        left:230px;
        border:solid thick black;
        background-color:yellow;
}
.text3
{
        padding:1cm;
        width:500px;
```

```
        position:absolute;
        top:140px;
        left:270px;
        border:solid thick black;
        background-color:cyan;
}
```

5a.html

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C/DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Stacking the elements</title>
<link rel="stylesheet" type="text/css" href="5a.css"/>
<script type="text/javascript">
var topLayer="third";
function my_fun(toTop)
{
      var oldTop=document.getElementById(topLayer).style;
      var newTop=document.getElementById(toTop).style;
      oldTop.zIndex="0";
      newTop.zIndex="100";
      topLayer=document.getElementById(toTop).id;
}
</script>
</head>
<body>
<span class="text1" id="first" onmouseover="my_fun(id);">
```

This is a story about four people;Everbody,Somebody,Anybody, and Nobody. There was an important job to be done and Everbody was asked to do do it. Everybody was sure somebody would do it.

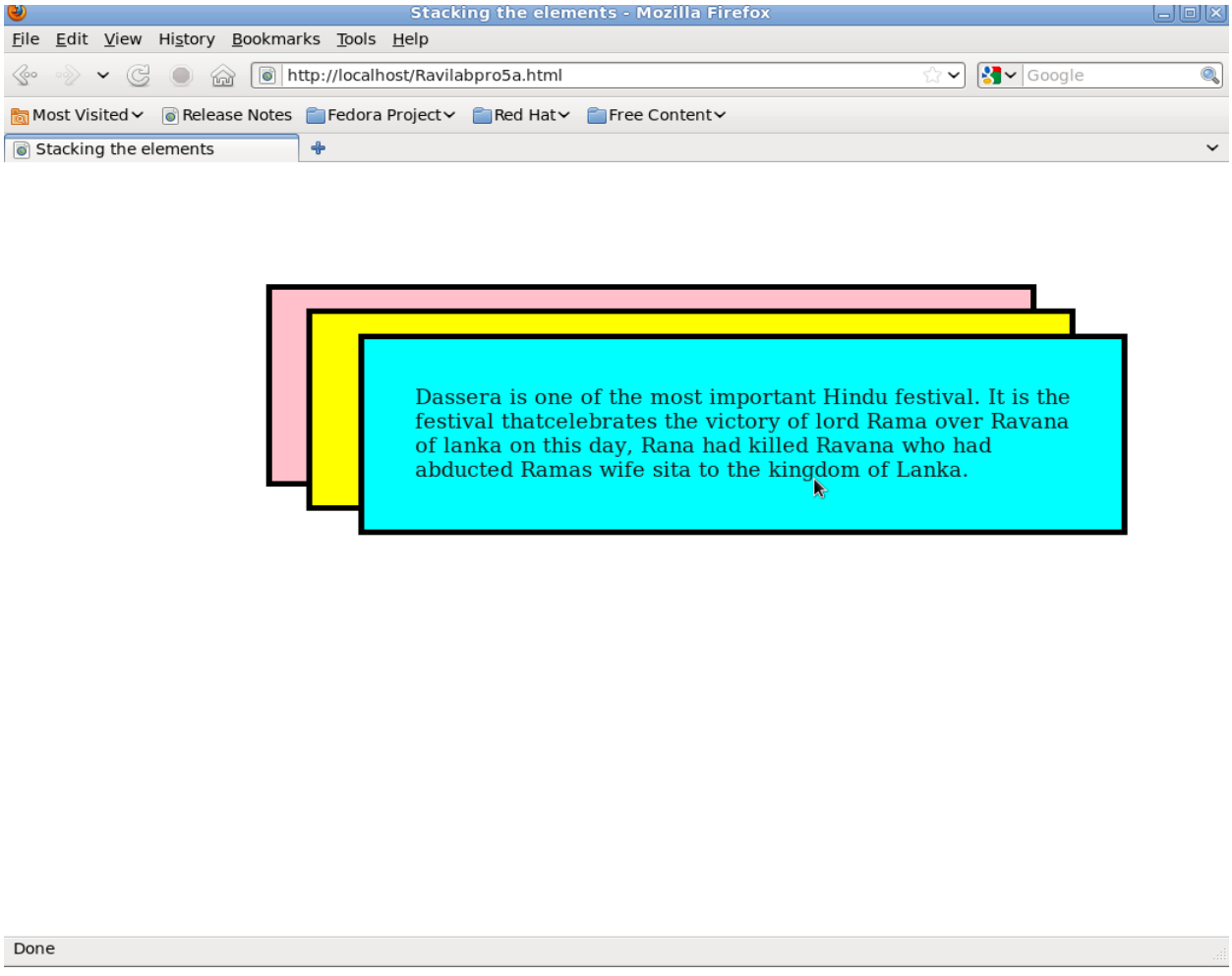
Once upon a time, there lived a big lion in a jungke. Everyday he hunted and killed many animals to satisfy his hunger. The animals were worried that oneday none of them would be left alive.

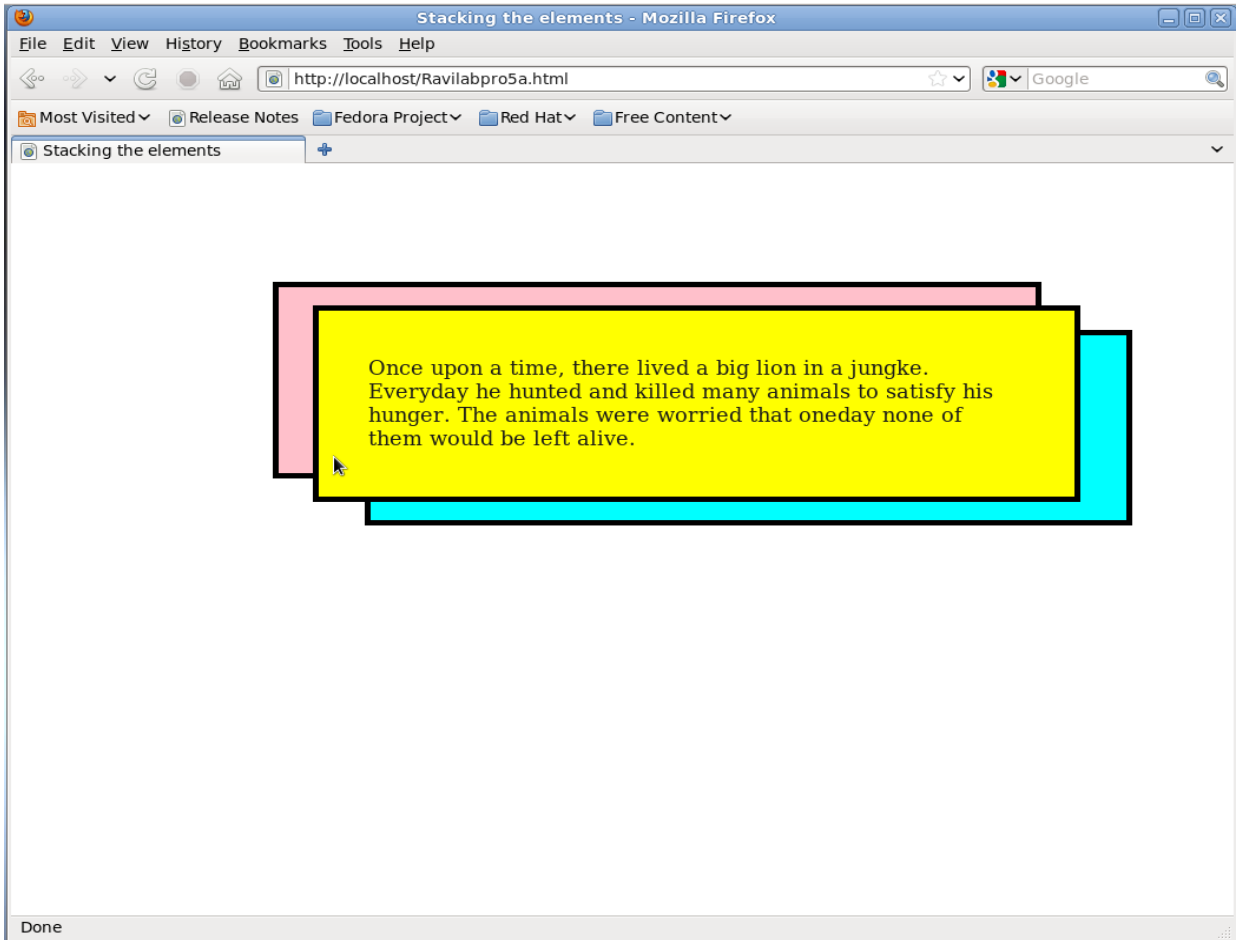
Dassera is one of the most important Hindu festival. It is the festival thatcelebrates the victory of lord Rama over Ravana of lanka on this day, Rana had killed Ravana who had abducted Ramas wife sita to the kingdom of Lanka.

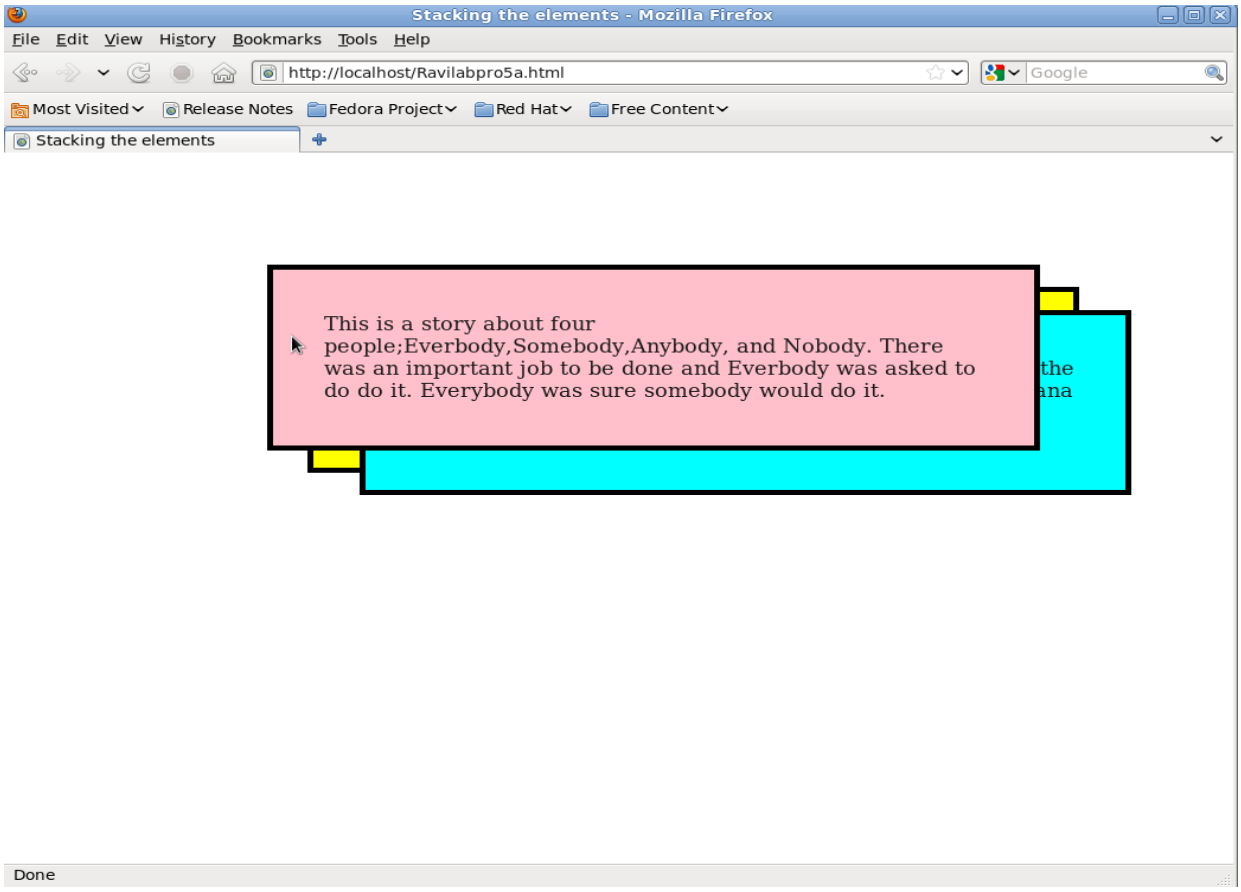
</body>

</html>

Output:-




Stacking the elements - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro5a.html
Most Visited Release Notes Fedora Project Red Hat Free Content
Stacking the elements
Once upon a time, there lived a big lion in a jungke. Everyday he hunted and killed many animals to satisfy his hunger. The animals were worried that oneday none of them would be left alive.
Done


Stacking the elements - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro5a.html
Most Visited Release Notes Fedora Project Red Hat Free Content
Stacking the elements
This is a story about four people;Everbody,Somebody,Anybody, and Nobody. There was an important job to be done and Everbody was asked to do do it. Everybody was sure somebody would do it.
Done

5b.html

```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C/DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Stacking the elements</title>
<link rel="stylesheet" type="text/css" href="5a.css"/>
<script type="text/javascript">
var topLayer="third";
var origPos;
function my_fun(toTop,pos)
{
      var newTop=document.getElementById(toTop).style;
      newTop.zIndex="10";
      topLayer=document.getElementById(toTop).id;
         origPos=pos;
}
function my_fun1()
{
         document.getElementById(topLayer).style.zIndex=origPos;
}
</script>
</head>
<body>
<span class="text1" id="first" onmouseover="my_fun('first','1');" onmouseout="my_fun1();" >
```

This is a story about four people;Everbody,Somebody,Anybody, and Nobody. There was an important job to be done and Everbody was asked to do do it. Everybody was sure somebody would do it.

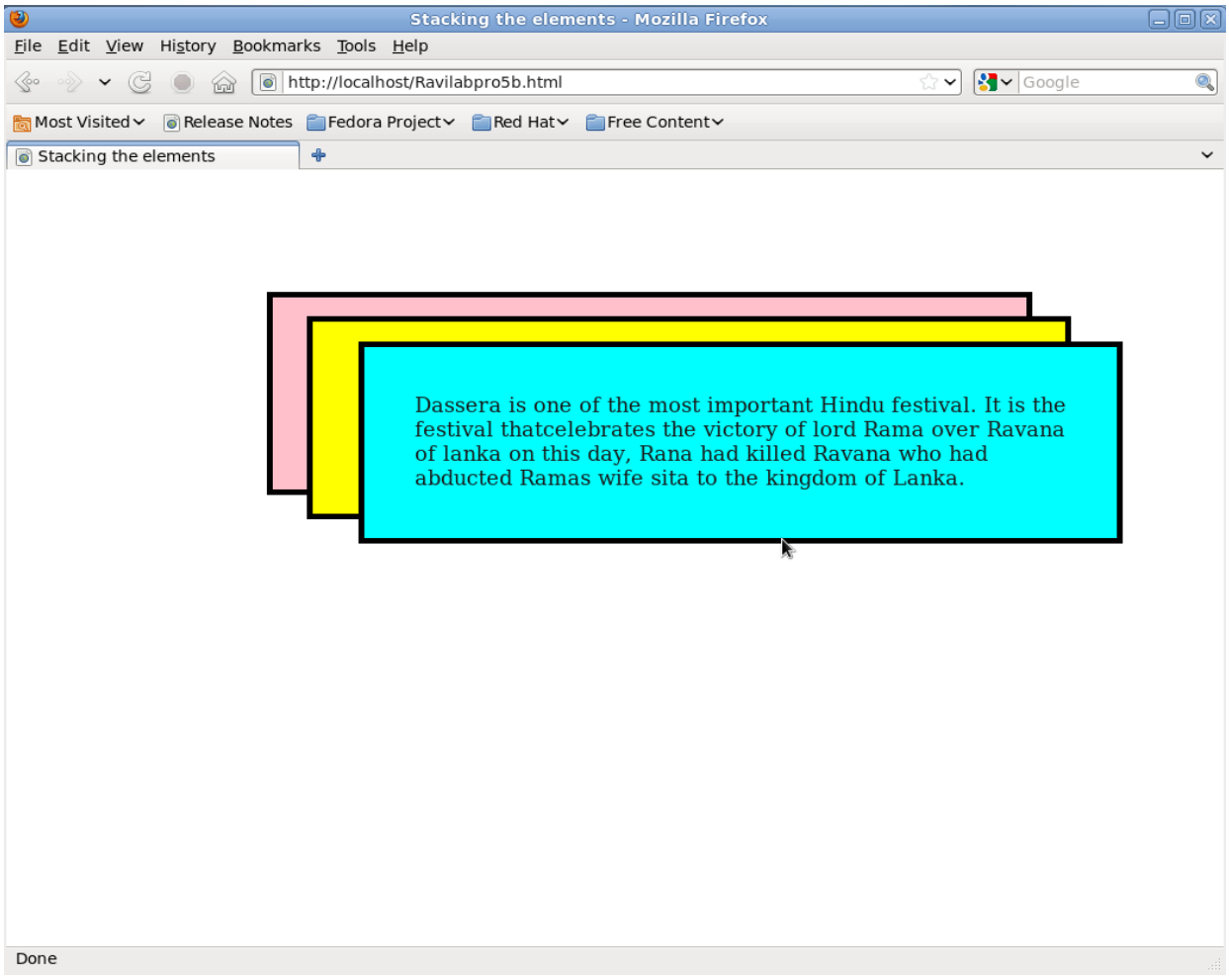
Once upon a time, there lived a big lion in a jungke. Everyday he hunted and killed many animals to satisfy his hunger. The animals were worried that oneday none of them would be left alive.

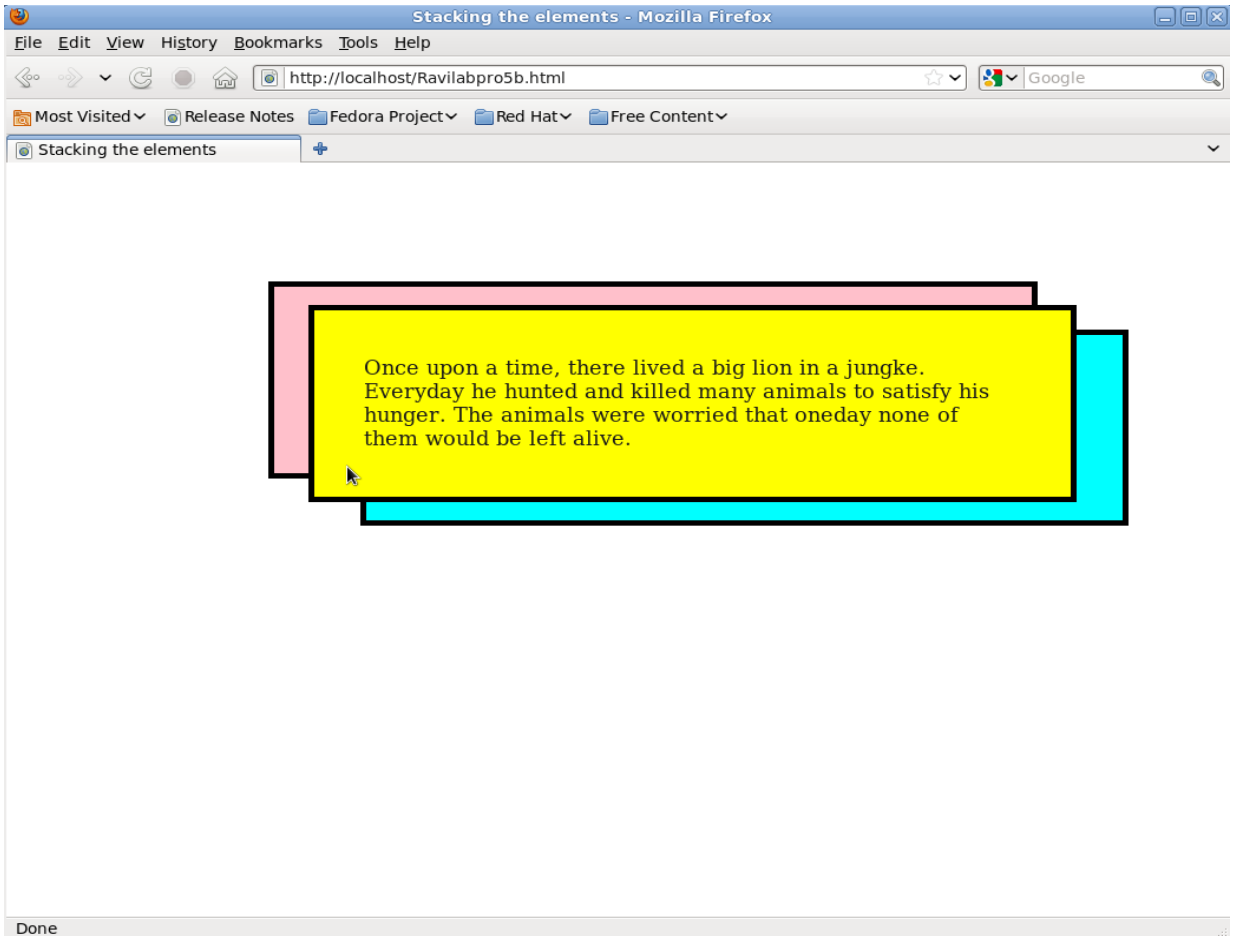
Dassera is one of the most important Hindu festival. It is the festival thatcelebrates the victory of lord Rama over Ravana of lanka on this day, Rana had killed Ravana who had abducted Ramas wife sita to the kingdom of Lanka.

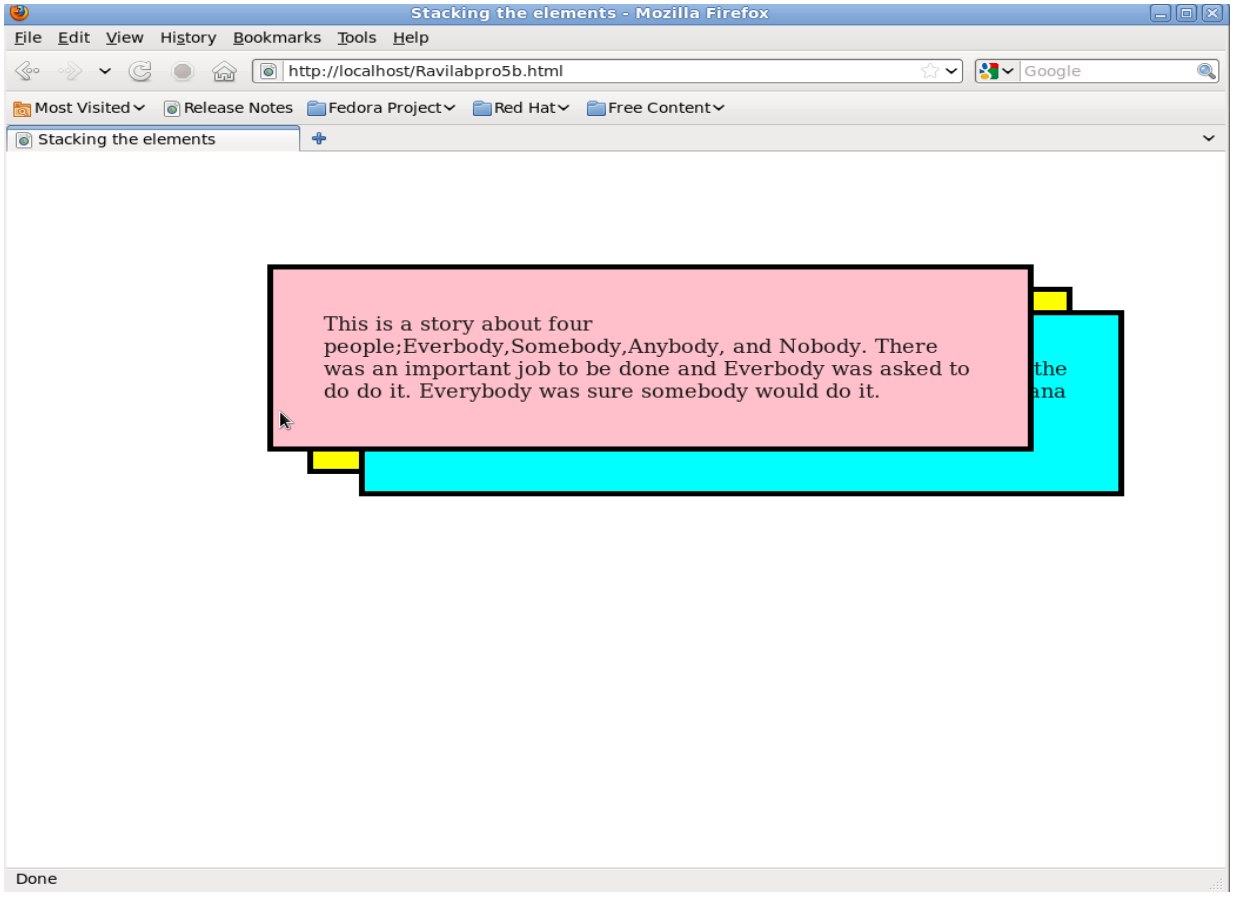
</body>

</html>

Output:-




Stacking the elements - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro5b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Stacking the elements
Once upon a time, there lived a big lion in a jungke. Everyday he hunted and killed many animals to satisfy his hunger. The animals were worried that oneday none of them would be left alive.
Done


Stacking the elements - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro5b.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
Stacking the elements
This is a story about four people;Everbody,Somebody,Anybody, and Nobody. There was an important job to be done and Everbody was asked to do do it. Everybody was sure somebody would do it.
Done

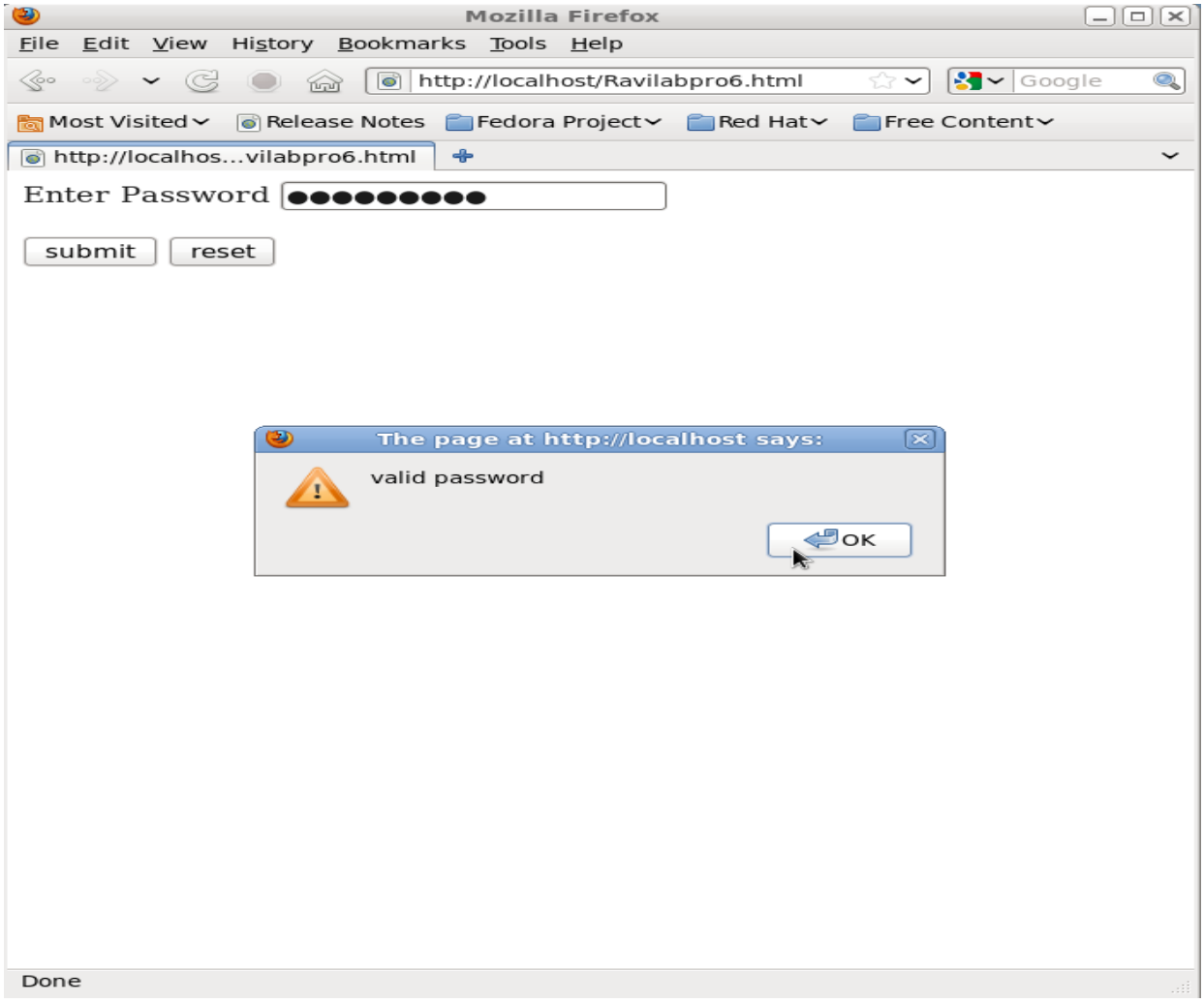
6. Develop and demonstrate, using JavaScript script, a XHTML document that collects the Password (the valid format is: 7 to 16 characters which contain only characters, numeric digits, underscore and the first character must be a letter, no embedded space is allowed) of the user. Event handler must be included for the form element that collects this information to validate the input. Messages in the alert window must be produced when errors are detected.

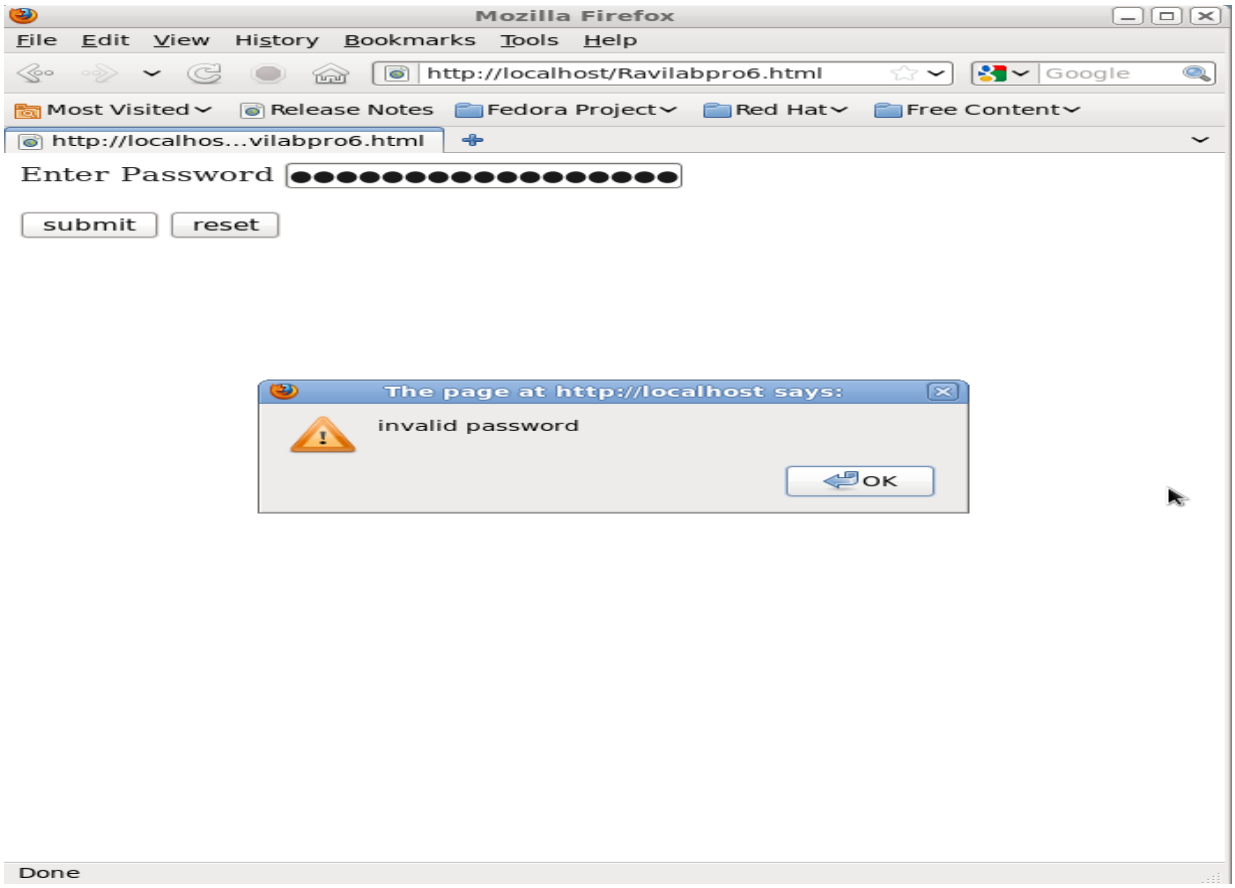
6.html

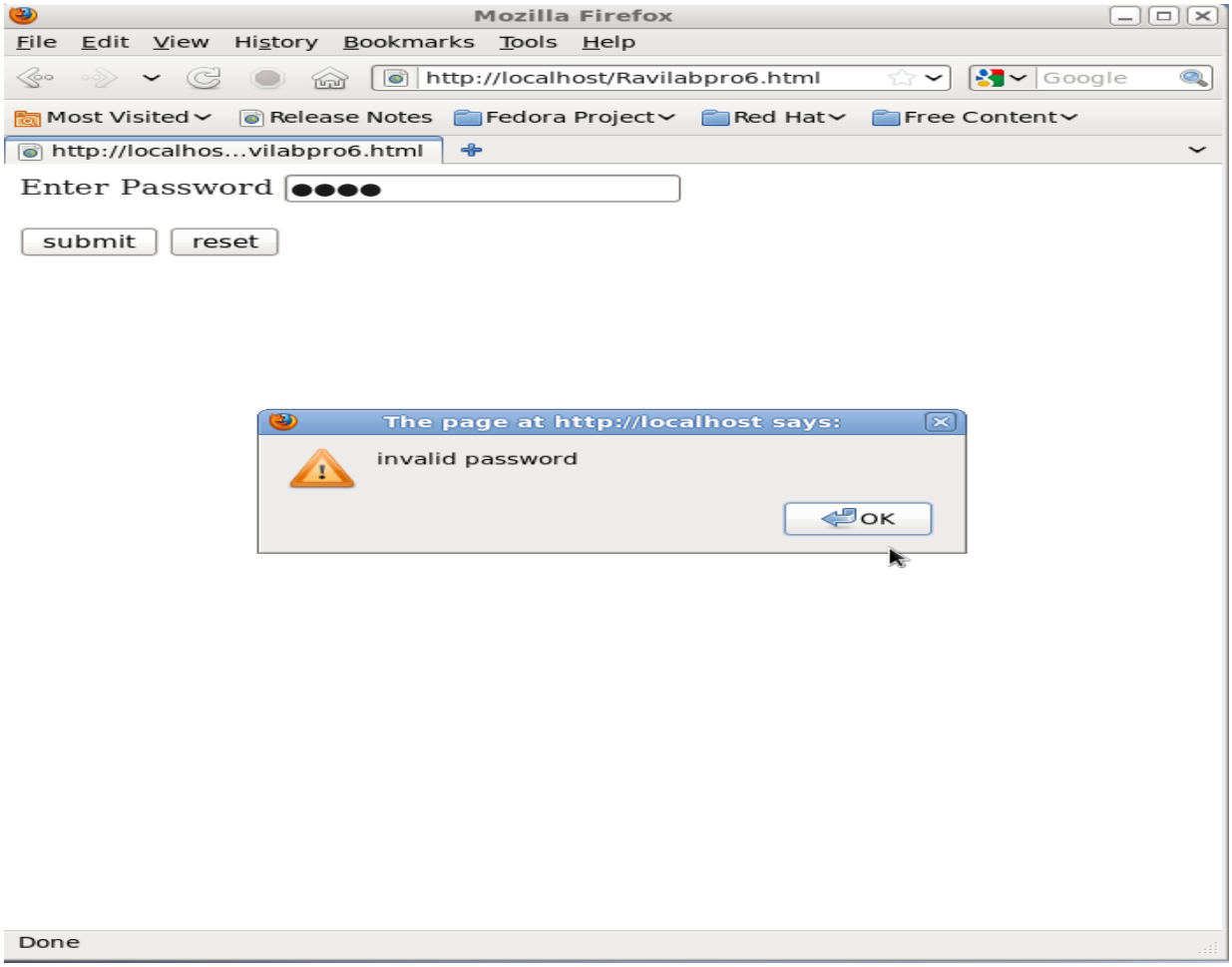
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<script type="text/javascript">
function validate_password()
{
	var str=document.getElementById("passwd");
	var result=str.value.search(/^[a-zA-Z]\w{6,15}$/);
	if(result!=0)
		{
		alert("invalid password");
		}
	else
		{
		alert("valid password");
		}
}
</script>
</head>
<body>
```

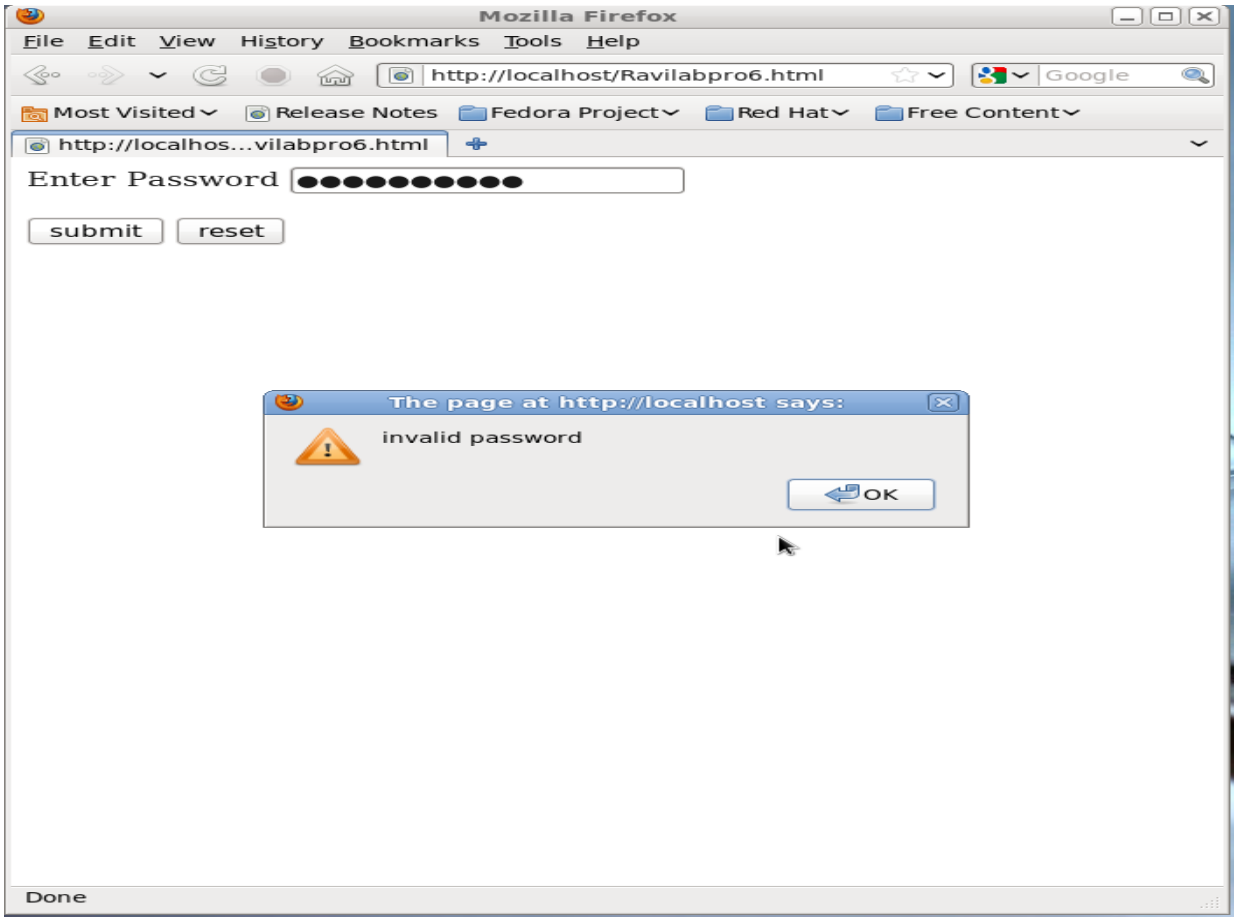
```
<form id="form1">
<label>Enter Password
<input type="password" id="passwd"/></label>
<br/>
<br/>
<input type="button" onclick="validate_password();" value="submit"/>
<input type="reset" value="reset"/>
</form>
</body>
</html>
```

Output:-




Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro6.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
http://localhos...vilabpro6.html
Enter Password
submit
reset
The page at http://localhost says:
invalid password
OK
Done


Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro6.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
http://localhos...vilabpro6.html
Enter Password
submit
reset
The page at http://localhost says:
invalid password
OK
Done


Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro6.html
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
http://localhos...vilabpro6.html
Enter Password
submit
reset
The page at http://localhost says:
invalid password
OK
Done

7.a) Design an XML document to store information about a student in an engineering college affiliated to VTU. The information must include USN, Name, Name of the College, Brach, Year of Joining, and e-mail id. Make up sample data for 3 students. Create a CSS style sheet and use it to display the document.

b) Create an XSLT style sheet for one student element of the above document and use it to create a display of that element.

stud.css

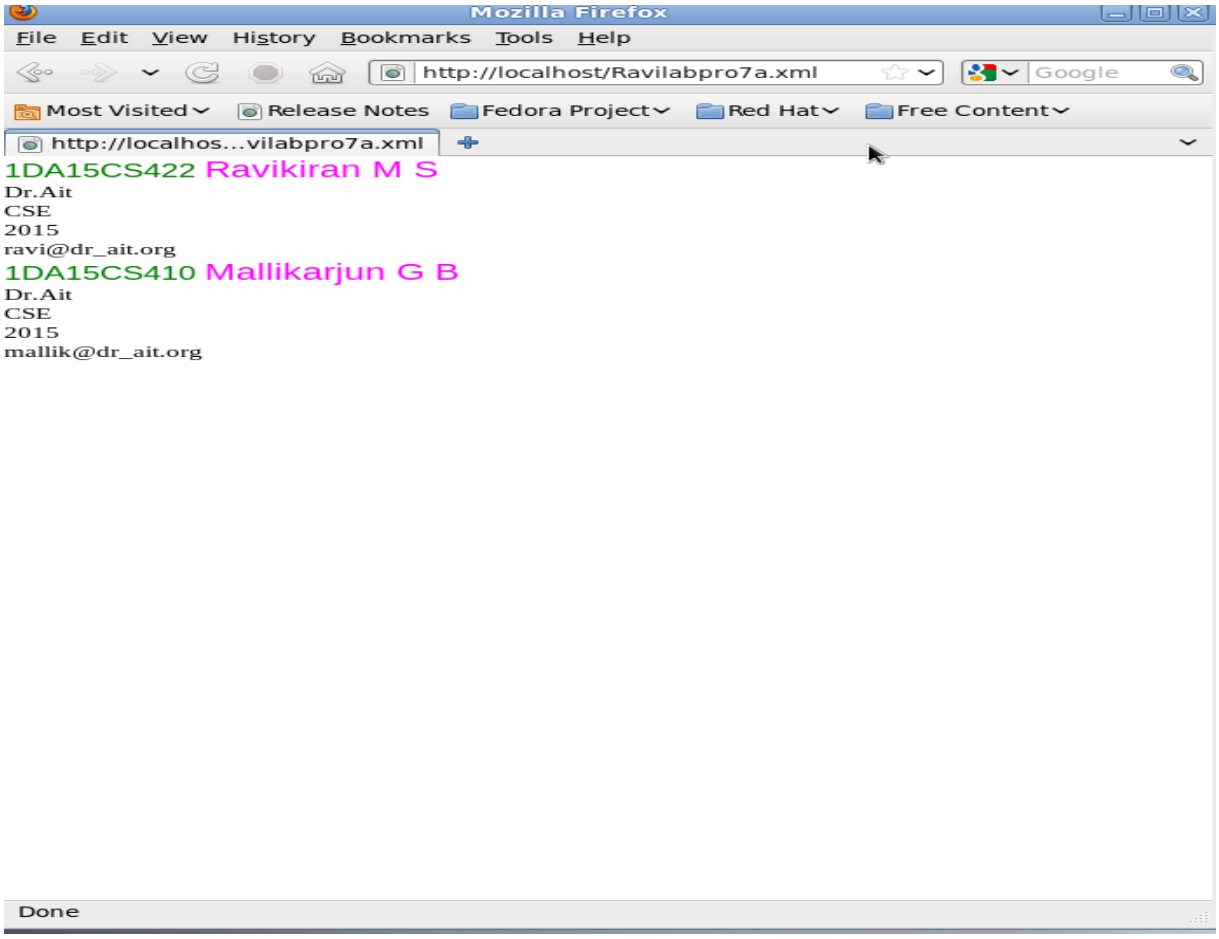
```
Student
{
font-family:arial;
color:red;
font-size:10pt;
}
StudentInfo
{
font-family:"times new roman";
color:blue;
font-size:14pt;
}
USN
{
font-family:arial;
color:green;
font-size:12pt;
}
Name
{
font-family:arial;
color:magenta;
}
```

```
College,Branch,Year_of_Join,Email
{
display:block;
font-family:"times new roman";
color:black;
font-size:10pt;
}
```

7a.xml

```
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type="text/css" href="stud.css"?>
<Student>
        <StudentInfo>
                <USN>1DA15CS422</USN>
                <Name>Ravikiran M S</Name>
                <College>Dr.Ait</College>
                <Branch>CSE</Branch>
                <Year_of_Join>2015</Year_of_Join>
                <Email>ravi@dr_ait.org</Email>
        </StudentInfo>
        <StudentInfo>
                <USN>1DA15CS410</USN>
                <Name> Mallikarjun G B</Name>
                <College>Dr.Ait</College>
                <Branch>CSE</Branch>
                <Year_of_Join>2015</Year_of_Join>
              <Email>mallik@dr_ait.org</Email>
        </StudentInfo>
</Student>
```

Output:-


Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro7a.xml
Google
Most Visited
Release Notes
Fedora Project
Red Hat
Free Content
http://localhos...vilabpro7a.xml
1DA15CS422 Ravikiran M S
Dr.Ait
CSE
2015
ravi@dr_ait.org
1DA15CS410 Mallikarjun G B
Dr.Ait
CSE
2015
mallik@dr_ait.org
Done

7b.xml

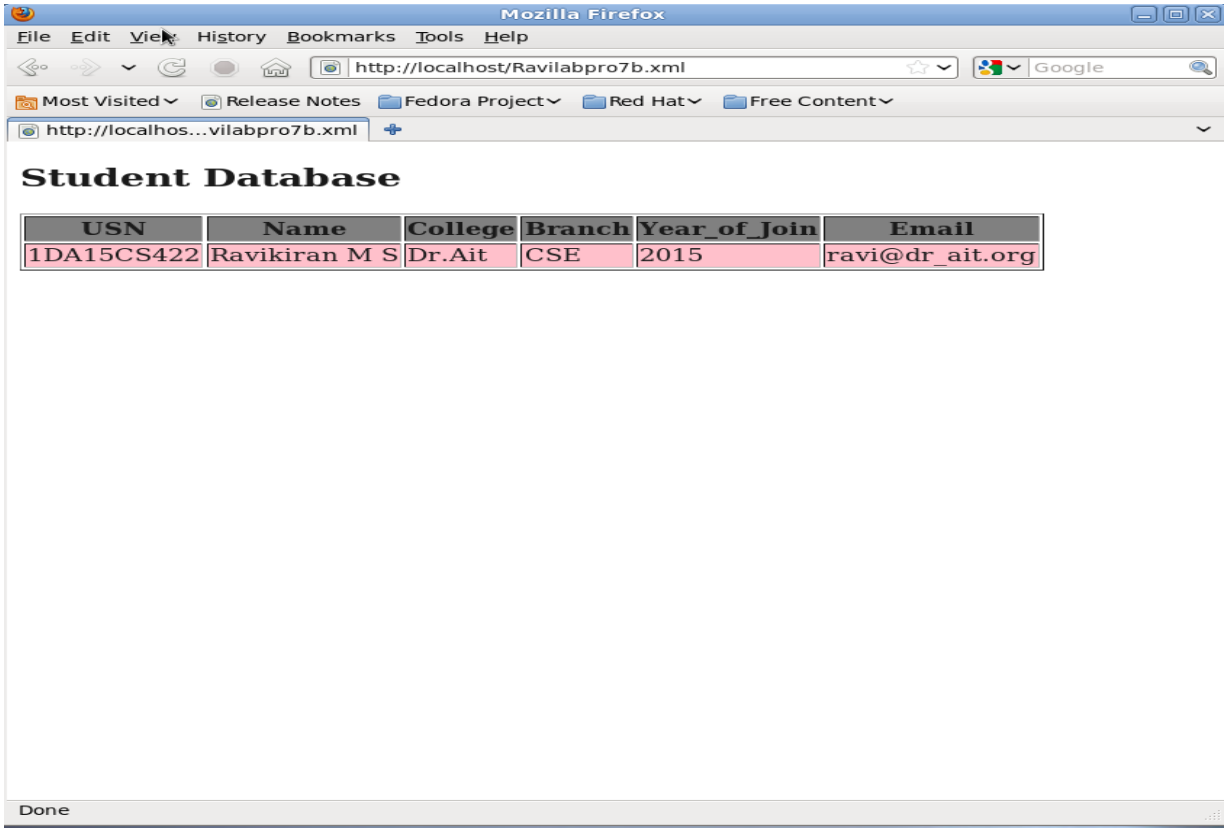
```
<?xml version="1.0" encoding="utf-8"?>
<?xml-stylesheet type="text/xsl" href="7b.xsl"?>
<Student>
    <StudentInfo>
        <USN>1DA15CS422</USN>
        <Name>Ravikiran M S</Name>
        <College>Dr.Ait</College>
        <Branch>CSE</Branch>
        <Year_of_Join>2015</Year_of_Join>
        <Email>ravi@dr_ait.org</Email>
    </StudentInfo>
</Student>
```

7b.xsl

```
<?xml version="1.0" encoding="utf-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
<xsl:template match="/">
<html>
<body>
<h2>Student Database</h2>
<table border="1">
<tr bgcolor="grey">
<th>USN</th>
<th>Name</th>
<th>College</th>
<th>Branch</th>
<th>Year_of_Join</th>
```

```
<th>Email</th>
</tr>
<xsl:for-each select="Student/StudentInfo">
<tr bgcolor="pink">
<td><xsl:value-of select="USN"/></td>
<td><xsl:value-of select="Name"/></td>
<td><xsl:value-of select="College"/></td>
<td><xsl:value-of select="Branch"/></td>
<td><xsl:value-of select="Year_of_Join"/></td>
<td><xsl:value-of select="Email"/></td>
</tr>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>
</xsl:stylesheet>
```

Output:-



8.a) Write a PHP program to store current date-time in a COOKIE and display the 'Last visited on' date-time on the web page upon reopening of the same page.

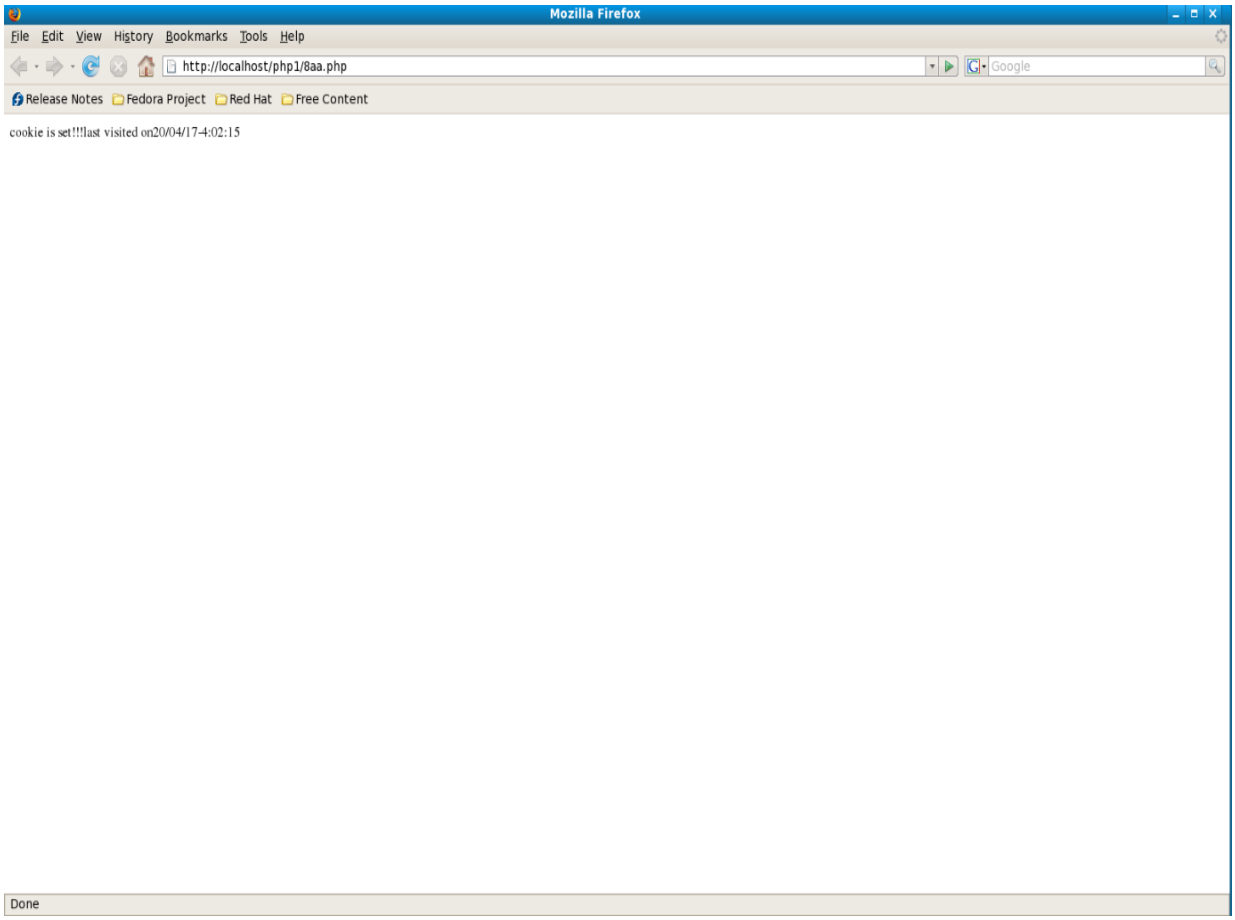
b) Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page.

8a.php

```
<?php
$onemm=60*60*24*30+time();
SetCookie('Visit',date("d/m/y-g:i:s"),$onemm);
print "cookie is set!!!";
if(isSet($_COOKIE['Visit']))
{
        $Visit_val=$_COOKIE['Visit'];
}
else
```

```
{
        echo "This is not the desired use of cookies";
}
echo "last visited on".$Visit_val;
?>
```

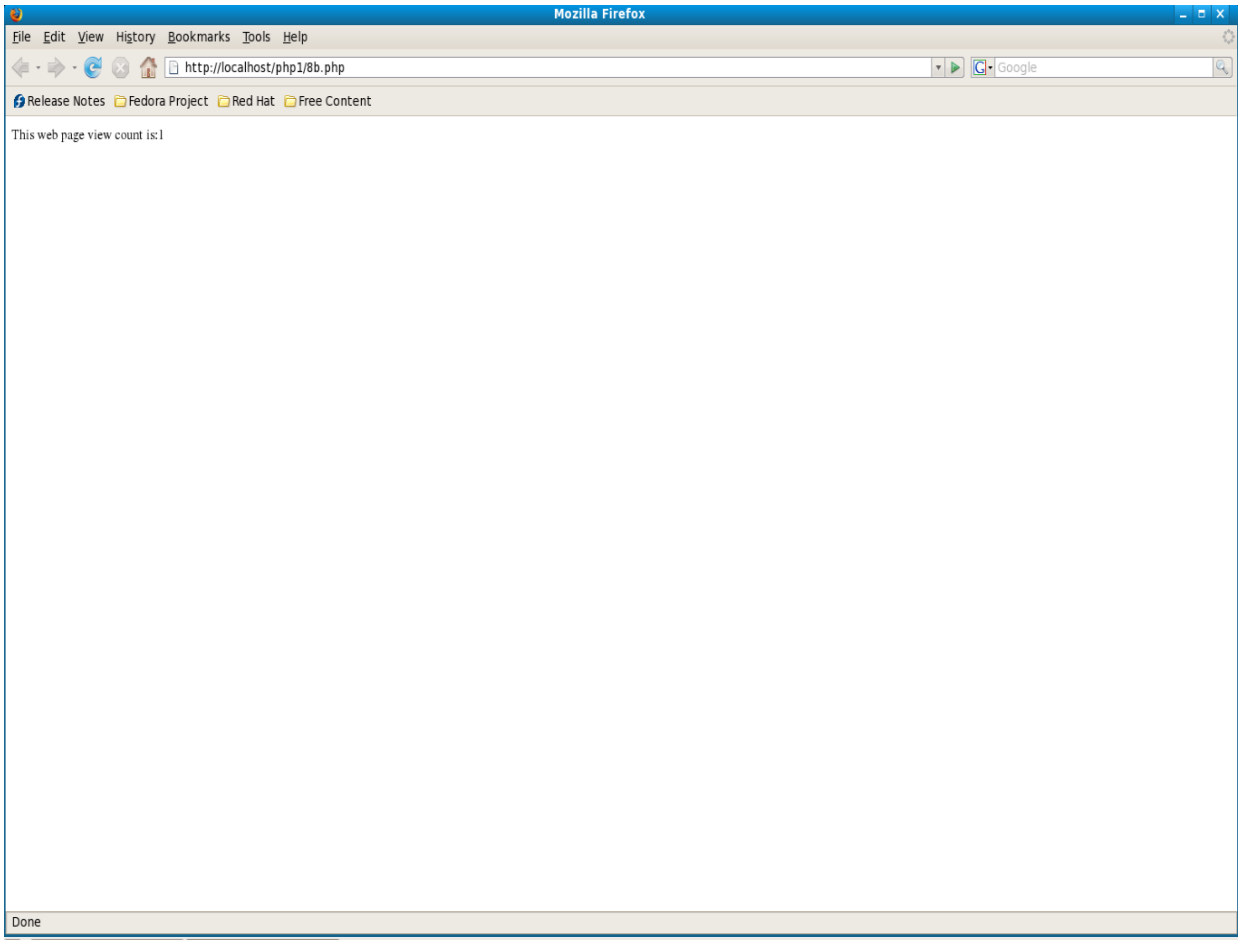
Output:-



8b.php

```
<?php
session_start();
if(isSet($_SESSION['Views']))
{
        $_SESSION['Views']=$_SESSION['Views']+1;
}
else
{
        $_SESSION['Views']=1;
}
echo "This web page view count is:".$_SESSION['Views'];
?>
```

Output:-



9. Create a XHTML form with Name, Address Line 1, Address Line 2, and E-mail text fields. On submitting, store the values in MySQL table. Retrieve and display the data based on Name. (using php)

9a.php

```
<?php

$mysql=mysql_connect("localhost","root","")
or die("could not connect to mqsql");
$name=$_GET["name"];
$address1=$_GET["addr1"];
$address2=$_GET["addr2"];
$email=$_GET["email"];
mysql_db_query("ravi","INSERT INTO student(name,addr1,addr2,email)
VALUES('$name','$address1','$address2','$email')")
        or die("query failed");
$result=mysql_query("SELECT * FROM student")
        or die(mysql_error());
?>
<html>
<head>
<title> To insert data </title>
<body>
<table border="1">
<tr>
        <th> name </th>
        <th> address1 </th>
        <th> address2 </th>
        <th> email </th>
</tr>
<?php
while($array=mysql_fetch_array($result))
{
        print "<tr>";
        print "<td>" . $array["name"] . "</td>";
```

```
        print "<td>" . $array["addr1"] . "</td>";
        print "<td>" . $array["addr2"] . "</td>";
        print "<td>" . $array["email"] . "</td>";
        print "</tr>";
}
mysql_free_result($result);
mysql_close($mysql);
?>
</table>
<br />
<br />
<p> for searching based on name </p>
<a href="http://localhost/9b.html"> for searching form </a><br /><br />
<a href="http://localhost/9a.html">for inserting </a>
</body>
</html>
```

9b.php

```
<?php
$mysql=mysql_connect("localhost","root","") or die("could not connect to mysql");
mysql_select_db("ravi") or die("select failed");
$name_to_search=$_GET["name"];
$result=mysql_query("SELECT * FROM student WHERE name='$name_to_search'") or die("query
failed");
?>
<html>
<head>
<title>Search data record</title>
<body>
<table border="1">
<tr>
<th>name</th>
<th>address1</th>
<th>address2</th>
```

```
<th>email</th>
</tr>
<?php
while($array=mysql_fetch_array($result))
{
print "<tr>";
print "<td>". $array["name"]."</td>";
print "<td>". $array["addr1"]."</td>";
print "<td>". $array["addr2"]."</td>";
print "<td>". $array["email"]."</td>";
print "</tr>";
mysql_free_result($result);
mysql_close($mysql);
?>
</table>
</body>
</html>
```

9a.html

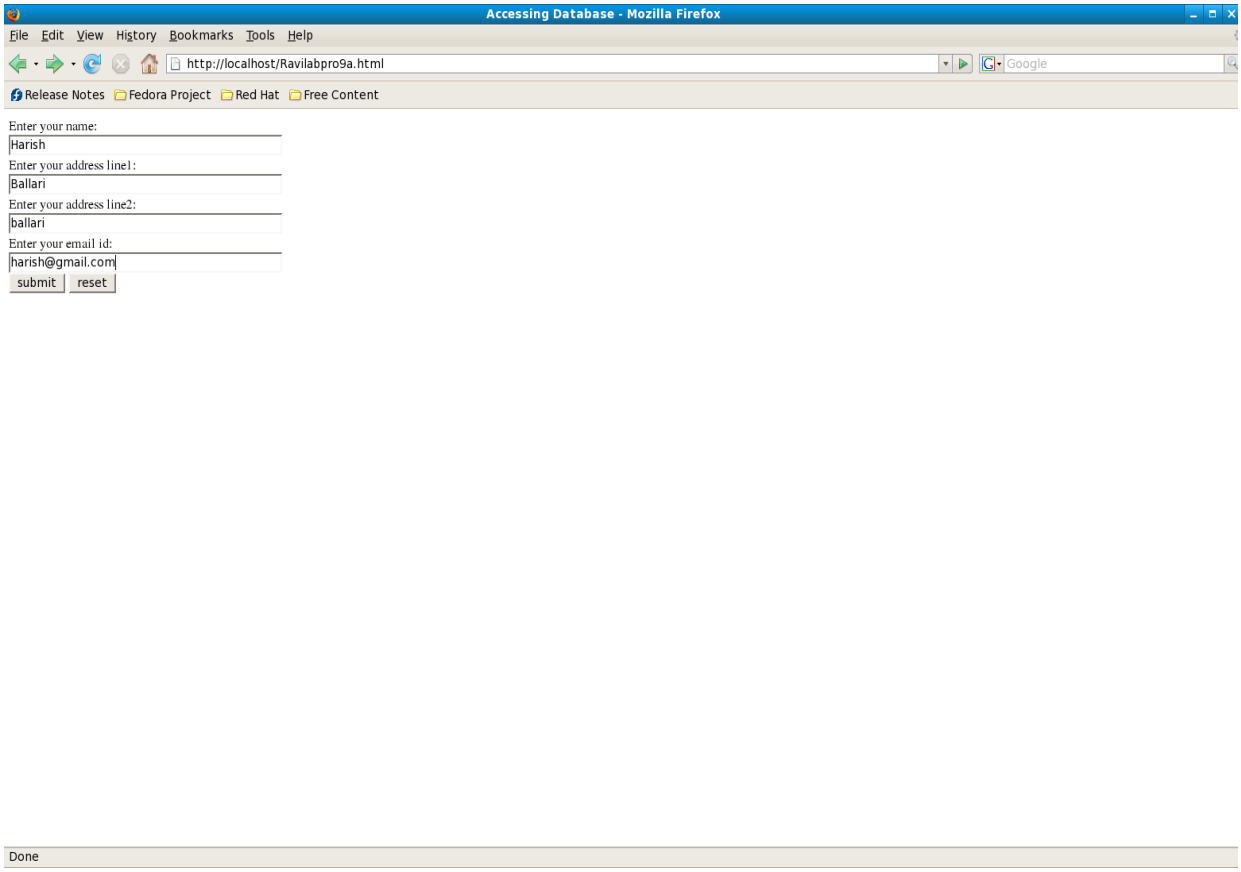
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>Accessing Database</title>
</head>
<body>
<form action="http://localhost/php1/9a.php" method="GET">
<label>Enter your name:<br/>
<input type="text" name="name" size="40"/>
</label>
<br/>
<label>Enter your address line1:<br/>
<input type="text" name="addr1" size="40"/>
```

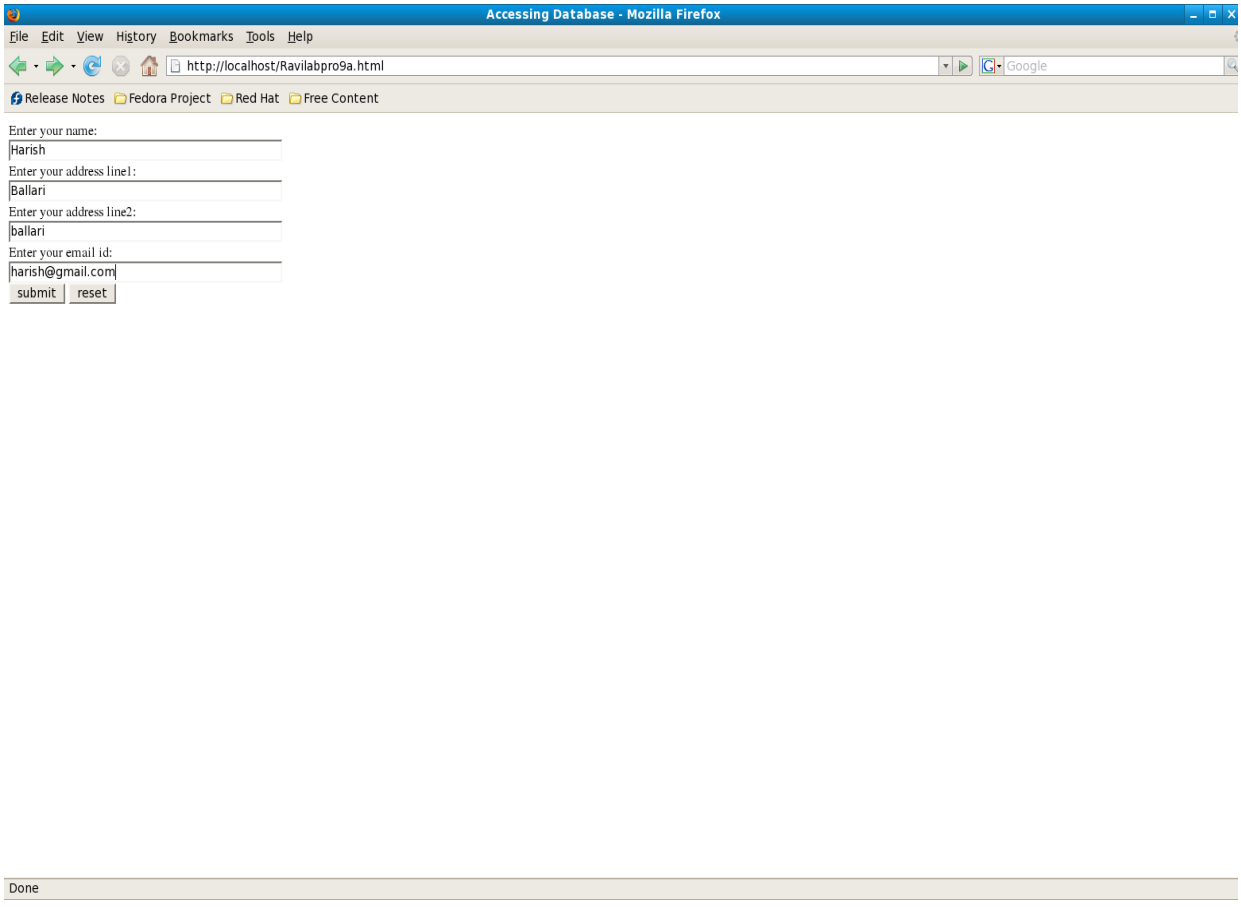
```
</label>
<br/>
<label>Enter your address line2:<br/>
<input type="text" name="addr2" size="40"/>
</label>
<br/>
<label>Enter your email id:<br/>
<input type="text" name="email" size="40"/>
</label>
<br/>
<input type="submit" value="submit"/>
<input type="reset" value="reset"/>
</form>
</body>
</html>
```

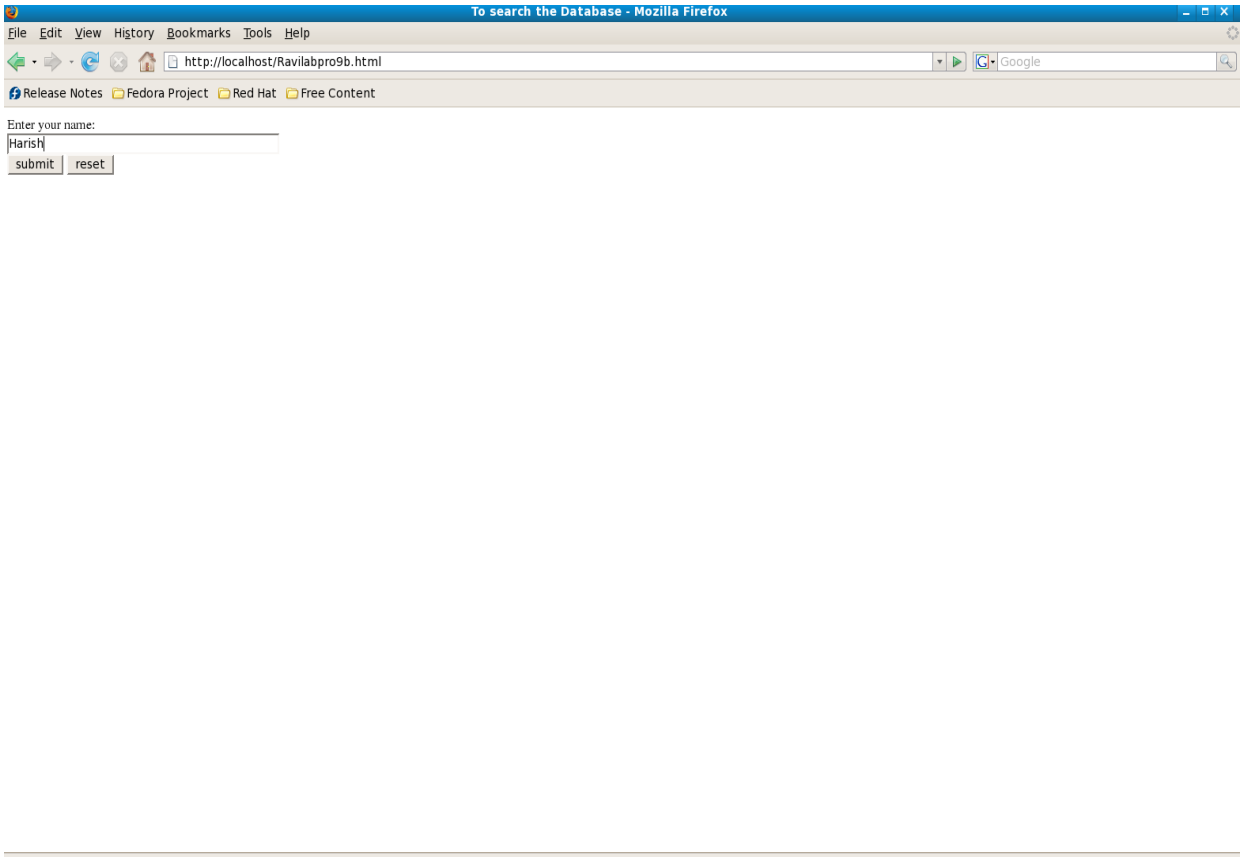
9b.html

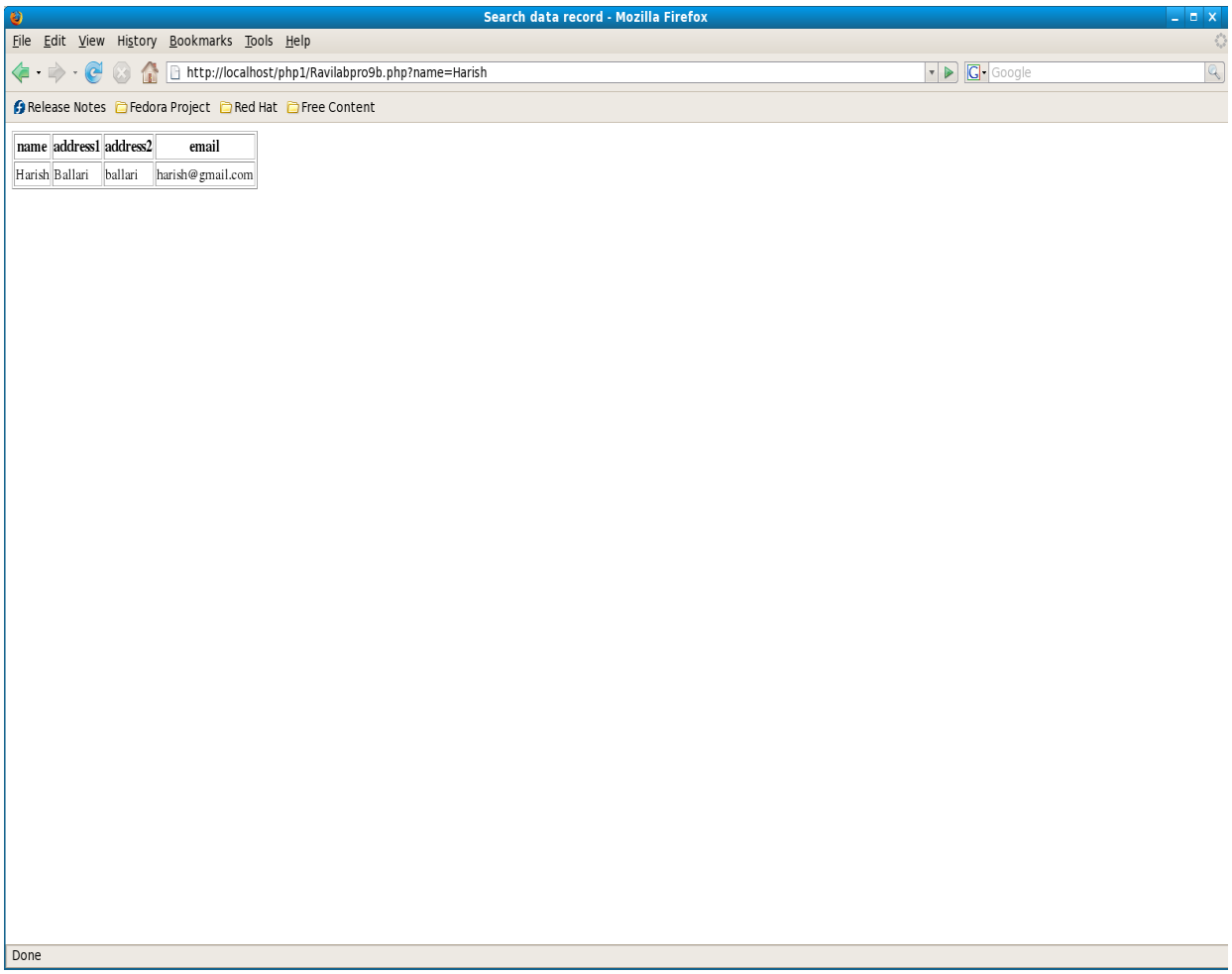
```
<?xml version="1.0" encoding="utf-8"?>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN"
"http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
<title>To search the Database</title>
</head>
<body>
<form action="http://localhost/php1/9b.php" method="GET">
<label>Enter your name:<br/>
<input type="text" name="name" size="40"/>
</label>
<br/>
<input type="submit" value="submit"/>
<input type="reset" value="reset"/>
</form>
</body>
</html>
```

Output:-


Accessing Database - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro9a.html
Release Notes Fedora Project Red Hat Free Content
Enter your name:
Harish
Enter your address line1:
Ballari
Enter your address line2:
ballari
Enter your email id:
harish@gmail.com
submit reset
Done


Accessing Database - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro9a.html
Release Notes Fedora Project Red Hat Free Content
Enter your name:
Harish
Enter your address line1:
Ballari
Enter your address line2:
ballari
Enter your email id:
harish@gmail.com
submit reset
Done


To search the Database - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/Ravilabpro9b.html
Release Notes Fedora Project Red Hat Free Content
Enter your name:
Harish
submit reset
Done


Search data record - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://localhost/php1/Ravilabpro9b.php?name=Harish
Release Notes Fedora Project Red Hat Free Content
name address1 address2 email
Harish Ballari ballari harish@gmail.com
Done