

**Program No 1: Develop and demonstrate a XHTML document that illustrates the use external style sheet, ordered list, table, borders, padding, colour, and the tag**

**1.html**

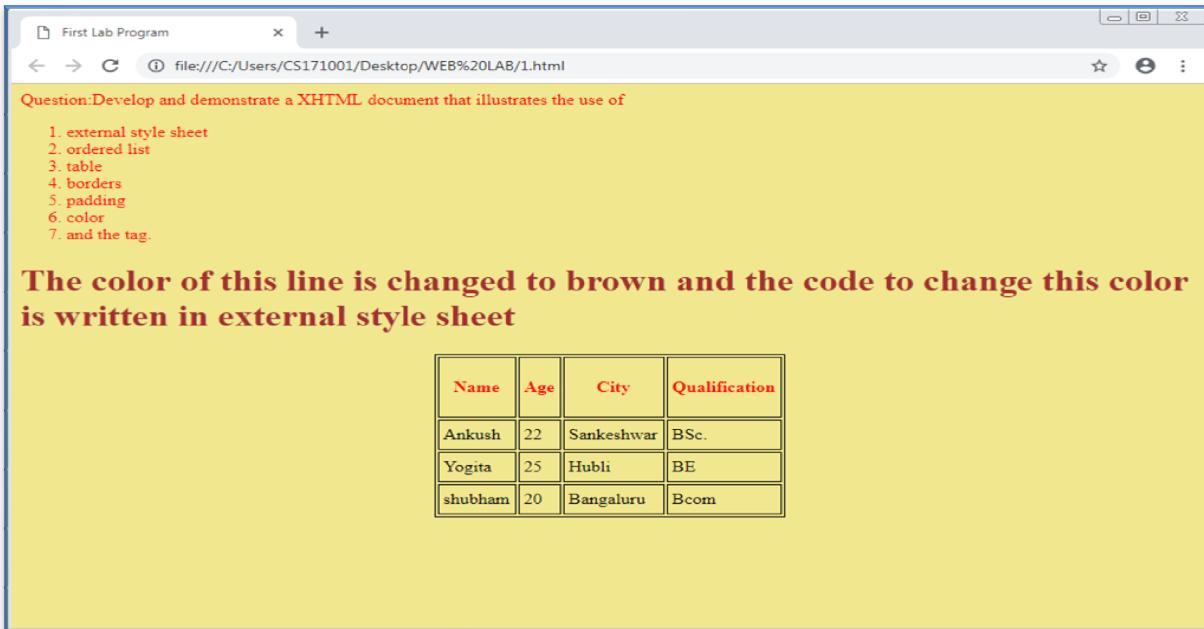
```
<html>
<head>
<title>First Lab Program</title>
<link rel="stylesheet" type="text/css" href="1s.css">
</head>
<body>
<p>Question:Develop and demonstrate a XHTML document that illustrates the use of</p>
<ol>
<li>external style sheet
<li>ordered list
<li>table
<li>borders
<li>padding
<li>color
<li>and the tag.
</ol>
<h1>The color of this line is changed to brown and the code to change this color is
written in external style sheet </h1>
<center><table style="width=50%;">
<tr>
<th><div><p>Name</p></div></th>
<th><div><p>Age</p></div></th>
<th><div><p>City</p></div></th>
<th><div><p>Qualification</p></div></th>
</tr>
<tr>
<td><div>Ankush</div></td>
<td><div>22</div></td>
<td><div>Sankeshwar</div></td>
<td><div>BSc.</div></td>
</tr>
<tr>
<td><div>Yogita</div></td>
<td><div>25</div></td>
<td><div>Hubli</div></td>
<td><div>BE</div></td>
</tr>
<tr>
<td><div>shubham</div></td>
<td><div>20</div></td>
<td><div>Bangaluru</div></td>
<td><div>Bcom</div></td>
</tr></table>
```

```
</center><br><br><br><br><br>
</body></html>
```

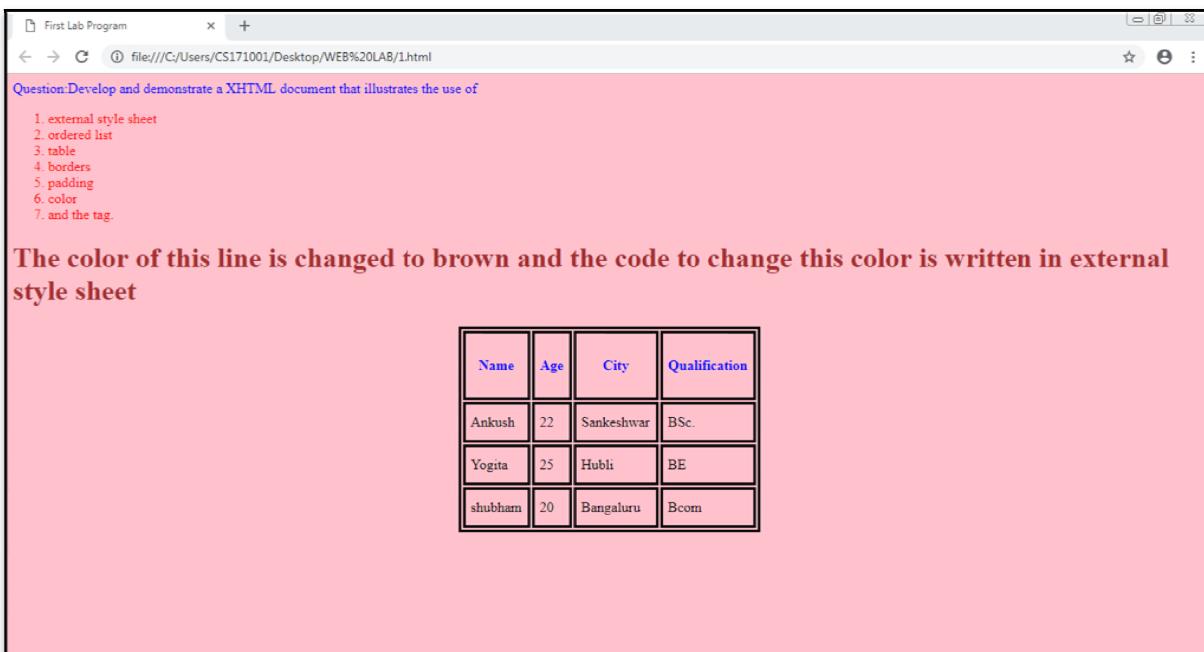
### **1s.html**

```
Body
{
background-color: khaki;
}
h1
{
color: brown;
}
p
{
color: red;
}
ol
{
color: red;
}
table,th,td
{
border: 1px solid black;
}
tr,div
{
padding-top: 5px;
padding-right: 3px;
padding-bottom: 5px;
padding-left: 3px;}
```

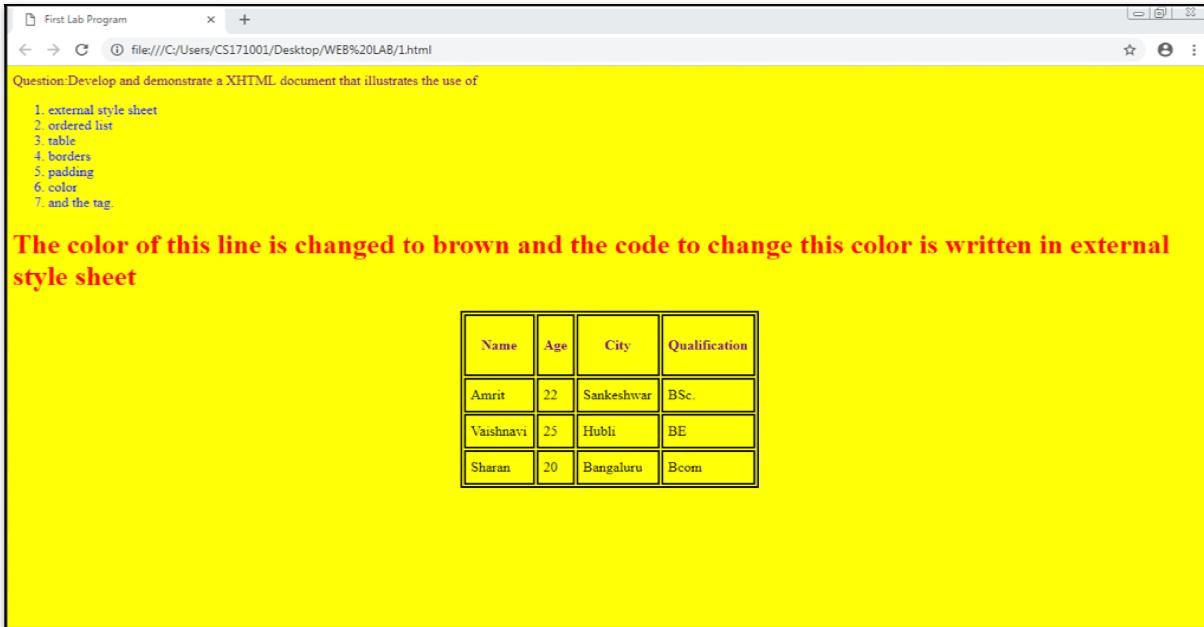
## Output:01



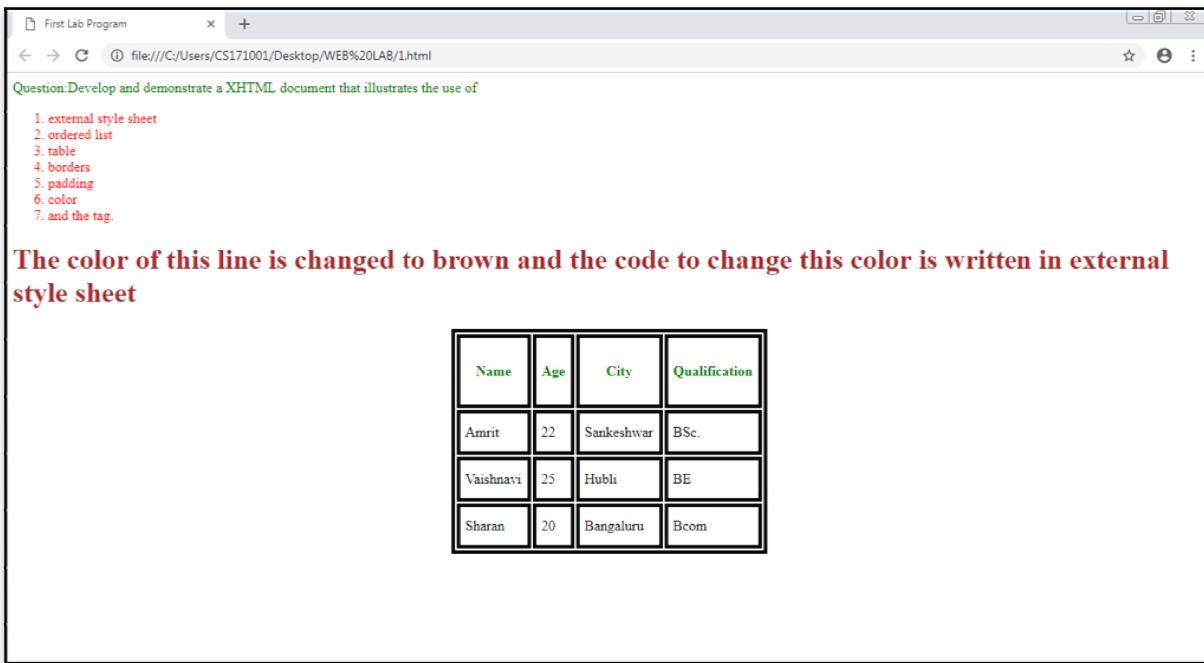
## Output:02



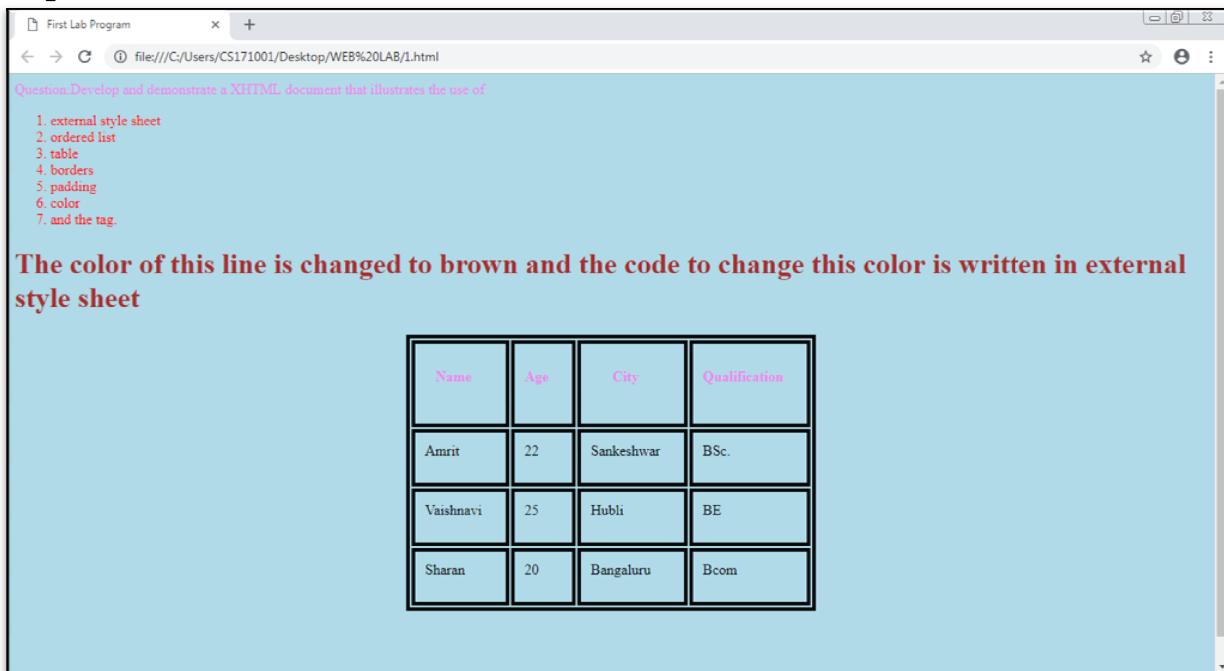
## Output:03



## Output:04



## Output:05

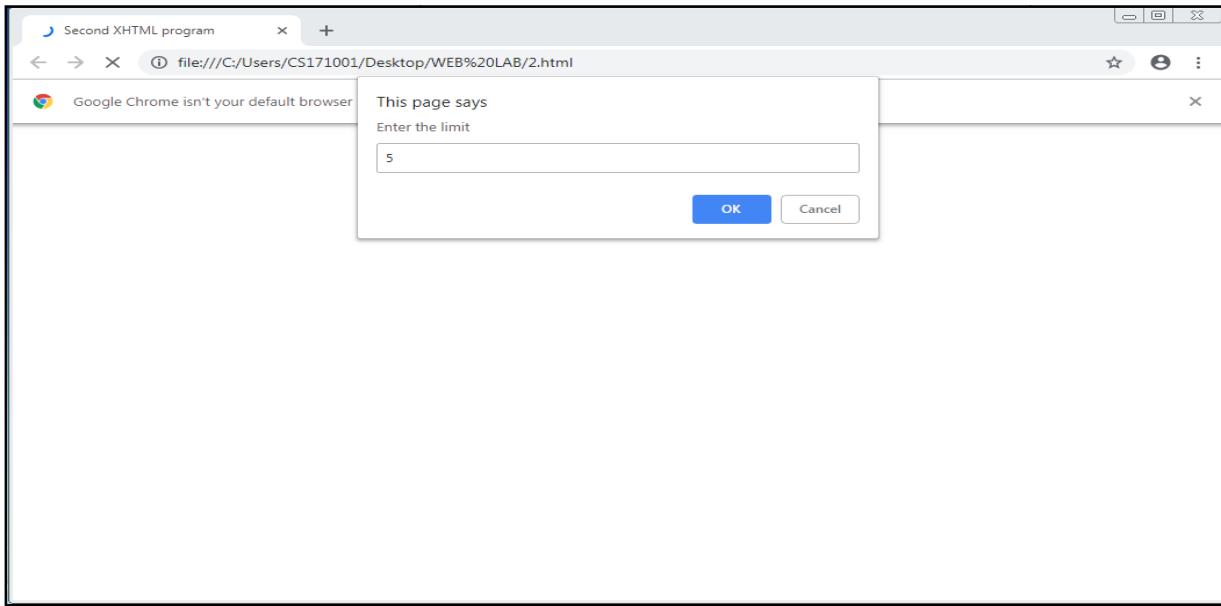


**Program No2:Develop and demonstrate a XHTML file that includes JavaScript script for obtaining n through prompt and computing n Fibonacci numbers.**

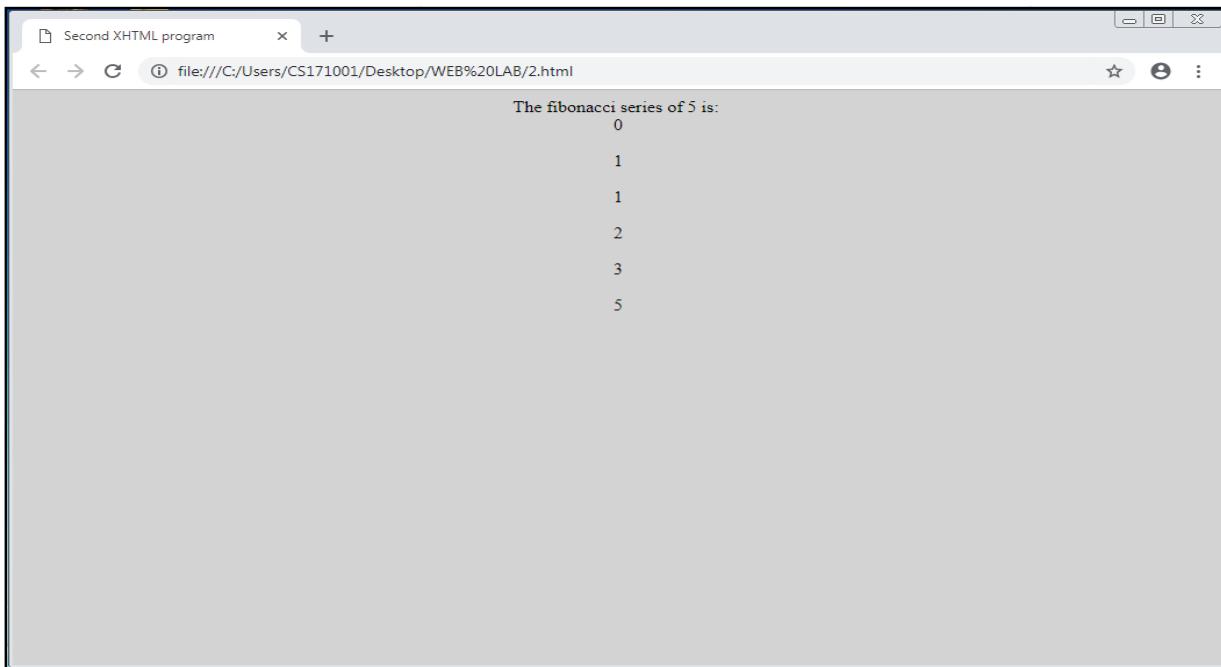
### **2.html**

```
<html>
<head>
<title>Second XHTML program</title>
<style>
body
{
background-color:LightGray
}
</style>
</head>
<body>
<center>
<script>
var fib1=0,fib2=1,n,fib3;
n=prompt("Enter the limit","");
document.writeln("The fibonacci series of "+n+" is:");
document.writeln("<br>"+fib1+"</br>");
document.writeln("<br>"+fib2+"</br>");
for(i=2;i<=n;i++)
{
fib3=fib1+fib2;
document.writeln("<br>"+fib3+"</br>");
fib1=fib2;
fib2=fib3;
}
</script>
</center>
</body>
</html>
```

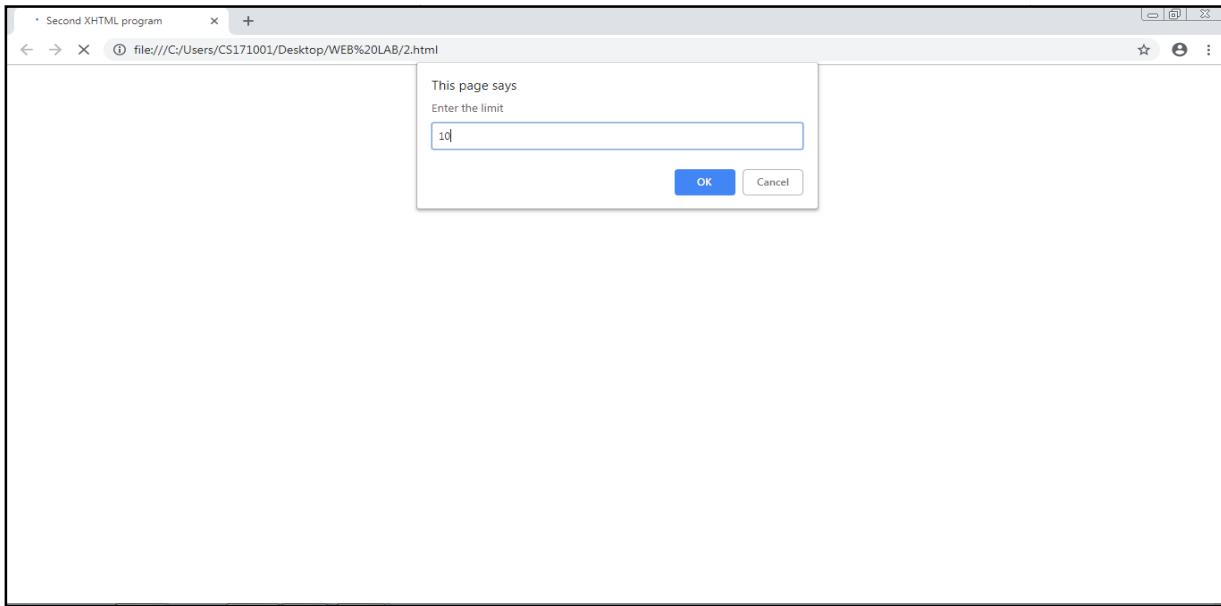
## Output:01



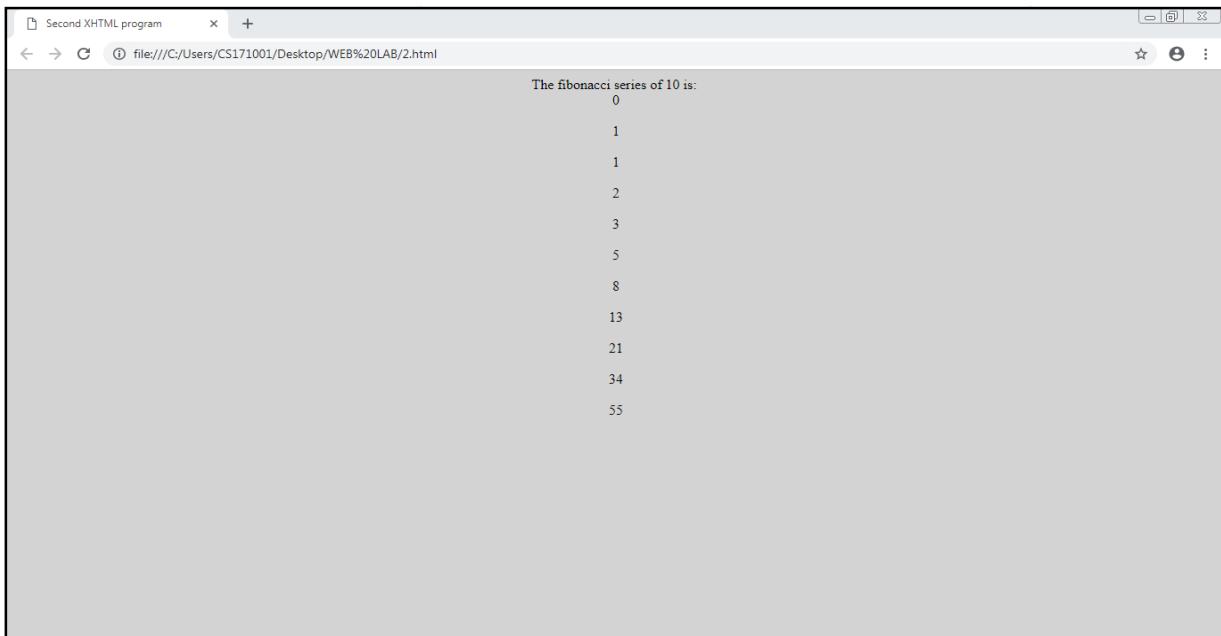
## Output:02



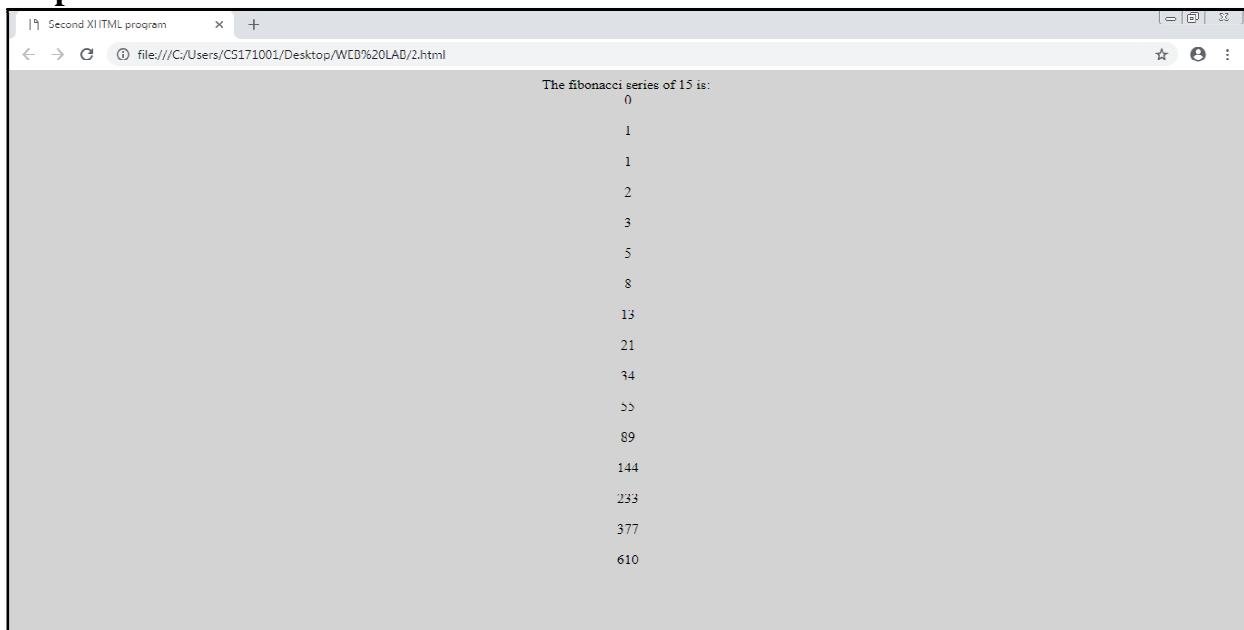
## Output:03



## Output:04



## Output:05



The screenshot shows a web browser window titled "Second XI HTML program". The URL in the address bar is "file:///C:/Users/CS171001/Desktop/WEB%20LAB/2.html". The page content displays the following text:  
The fibonacci series of 15 is:  
0  
1  
1  
2  
3  
5  
8  
13  
21  
34  
55  
89  
144  
233  
377  
610

### Program No3:Create a HTML document using CSS in a Letter format

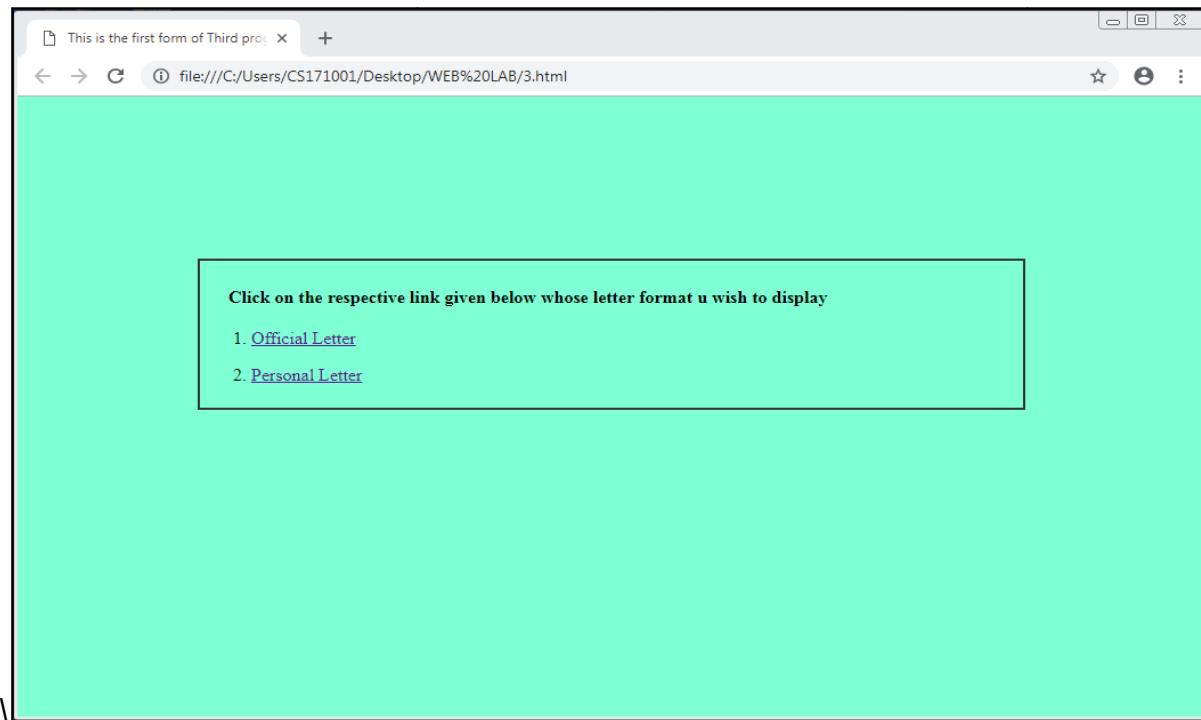
#### 3.html

```
<html>
<head>
<title>This is the first form of Third program</title>
<style>
form
{
margin: 150;
padding: 5px;
border: 2px solid #333;
}
h4
{
margin: 20;
}
</style>
</head>
<body bgcolor="Aquamarine">
<form>
<h4>Click on the respective link given below whose letter format u wish to display</h4>
<ol>
<a href="file:///C:/Users/CS171001/Desktop/WEB%20LAB/3official.html" target="frame2">
<li><p>Official Letter</p>
</a>
<a href="file:///C:/Users/CS171001/Desktop/WEB%20LAB/3persnol.html" target="frame2">
<li><p>Personal Letter</p>
</a>
</ol>
</form>
</body>
</html>
```

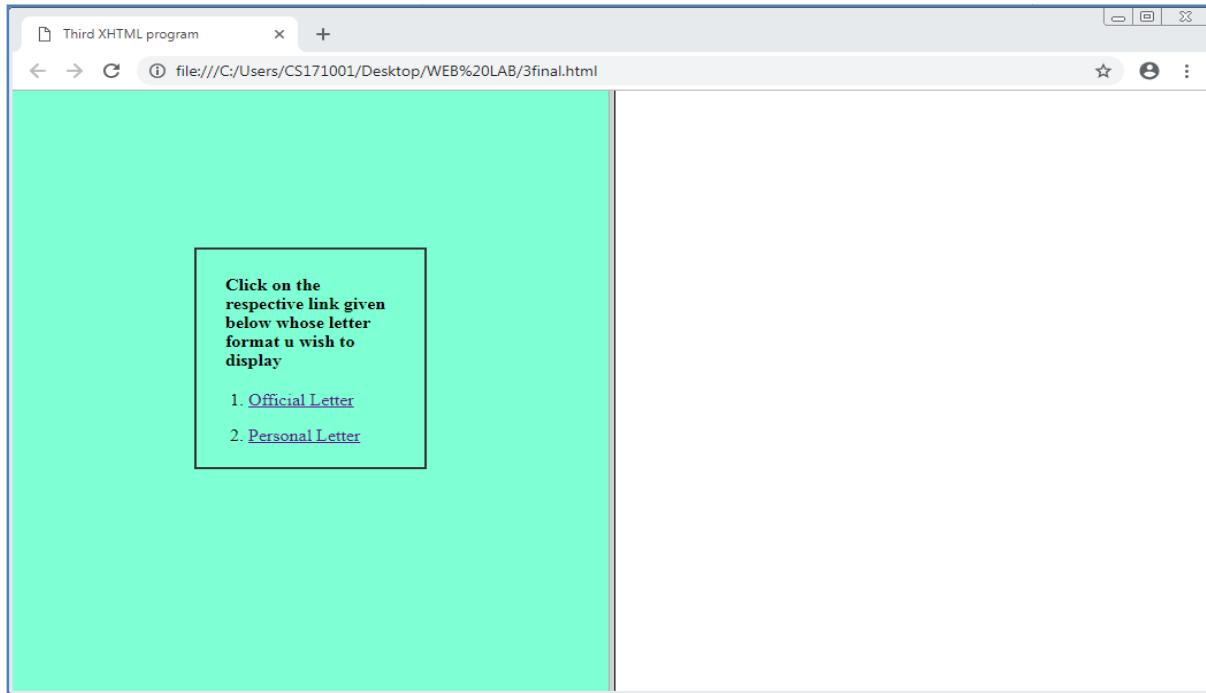
#### 3final.html

```
<html>
<head>
<title>Third XHTML program</title>
</head>
<frameset cols="50%,50%">
<frame src="file:///C:/Users/CS171001/Desktop/WEB%20LAB/3.html"/>
<frame src=" " name="frame2"/>
</frameset>
</html>
```

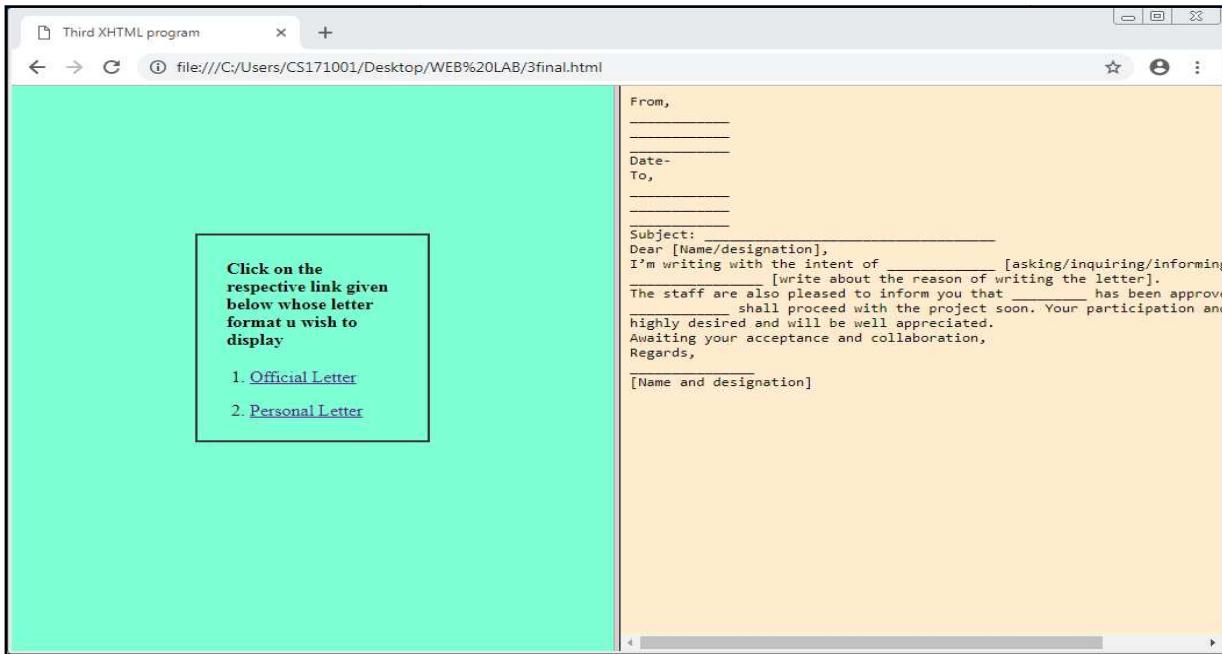
## Output:01



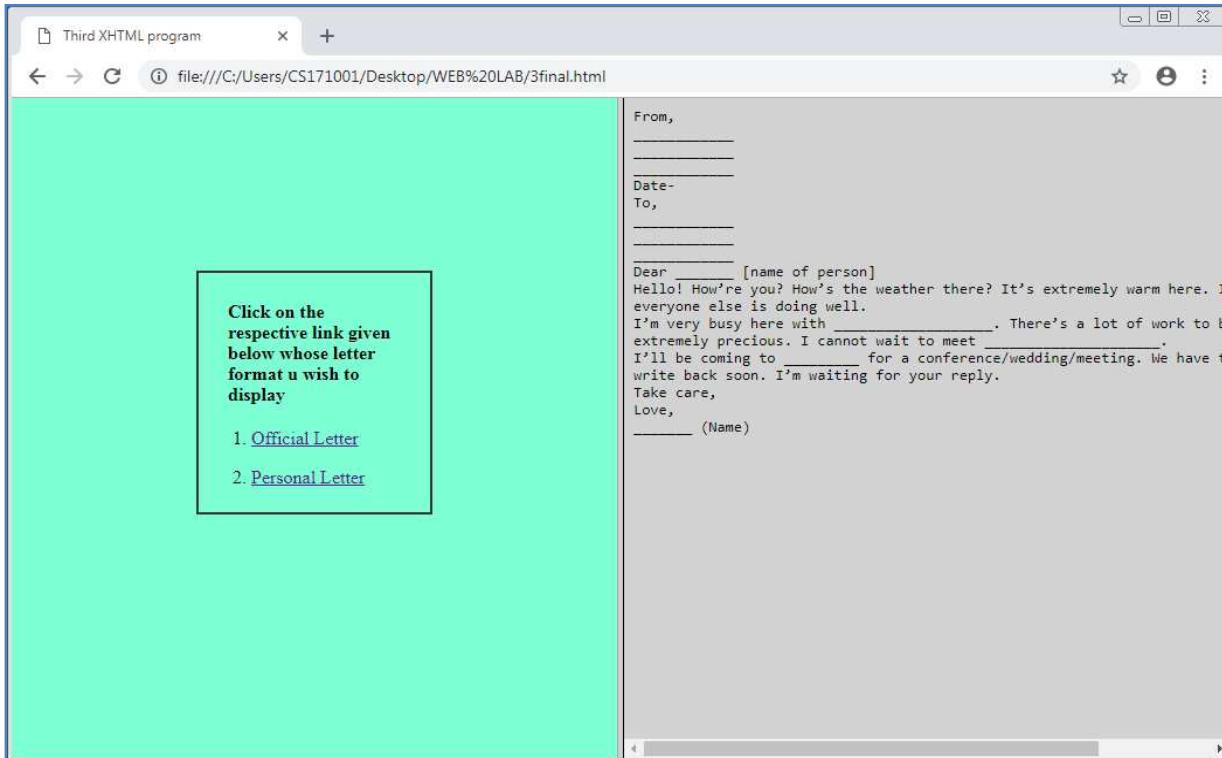
## Output:02



## Output:03



## Output:04



**Program No4:** Create an HTML document website for a book store. The first page must consist of ordered list of books related to respective branches. Each branch must contain at least 3 books under it. The names of the book must act as hyperlink to another page which contains the index of the book in an ordered form (index: main heading followed by subheading followed by list of topics) along with the image of the book towards the left side of the page. Below the last topic there should be another link called as “top” when clicked moves the cursor to the top of the page. The image should act as hyperlink to another page which contains the details of the book in unordered form. When clicked on the image cursor should jump to appropriate book within that page. Try to make your website as attractive as possible.

### Bookstore.html

```
<html>
<head>
<title>web page</title>
</head>
<body >
<center><b><h2> BOOK STORE </h2></b>
<br><br><br>
<table border="5" color="red">
<th colspan="2">BOOK DETAILS</th>
<tr>
<td><center><font style="Times new roman"
color="red">BRANCH</center></font></td>
<td><center><font style="Times new roman" color="red"> BOOK</center></td>
</tr>
<tr>
<td><b> Computer Science</b></td>
<td>
<ol type="1">
<li><a href="C:\Users\CS171001\Desktop\web\CPP.html">Cpp</a></li>
<li><a href="C:\Users\CS171001\Desktop\web\JAVA.html">Java</a></li>
<li><a href="C:\Users\CS171001\Desktop\web\PYTHON.html">Python</a></li></ol></td>
</tr>
<tr>
<td><b> Physics</b></td>
<td>
<ol type="1">
<li><a href="C:\Users\CS171001\Desktop\web\MP.html">Modern Physics</a></li>
<li><a href="C:\Users\CS171001\Desktop\web\AP.html">Automic Physics</a></li>
<li><a href="C:\Users\CS171001\Desktop\web\NP.html">Nuclear
Physics</a></li></ol></td>
</tr>
```

```
<td><b> Mathematics</b></td>
<td>
<ol type="1">
<li><a href="C:/Users/CS171001/Desktop/web/DMS.html">Descrete
Mathematics</a></li>
<li><a href="C:/Users/CS171001/Desktop/web/Tri.html">Trigonometry</a></li>
<li><a href="C:/Users/CS171001/Desktop/web/Alg.html">Algebra</a></li></ol></td>
</tr>
</center>
</table>
</body>
</html>
```

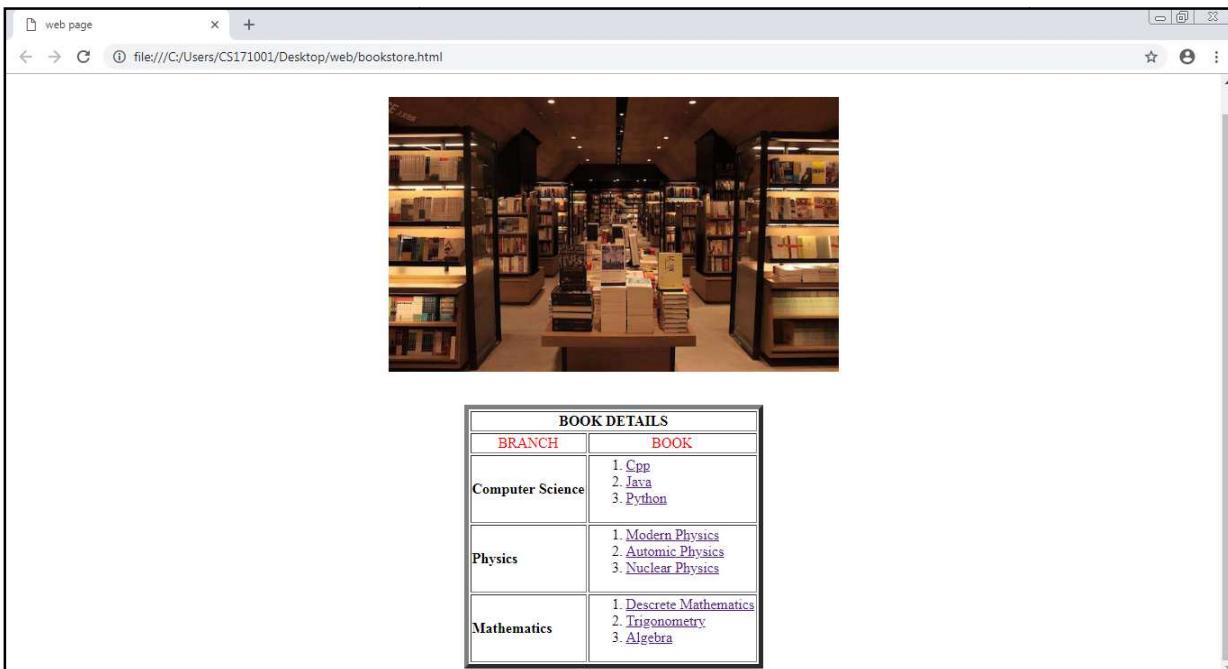
**Cpp.html**

```
<html>
<head>
<title>CPP</title>
</head>
<body bgcolor="khaki">
<center>
<a href="C:/Users/CS171001/Desktop/pdf/cpp.pdf"></a>
</center>
<h1><b>INDEX</b></h1>
<pre>
<h3>
1. OVERVIEW
2. ENVIRONMENT SETUP
3. BASIC SYNTAX
4. COMMENTS IN C++
5. DATA TYPES
6. VARIABLE TYPES
7. CONSTANTS/LITERALS
8. OPERATORS
9. LOOP TYPES
10. FUNCTIONS</h3>
</pre>
<h2><a href="C:/Users/CS171001/Desktop/web/B1.html">TOP</a></h2>
</body>
</html>
```

# Web Programming Lab

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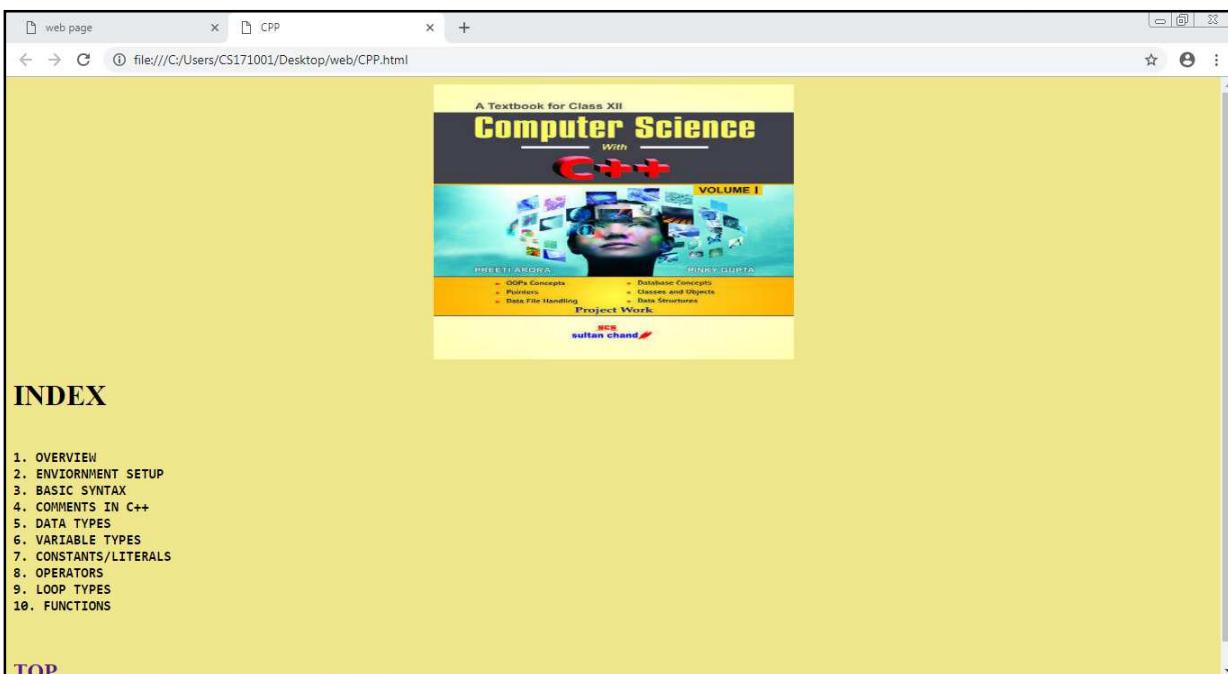
## Output:01



The screenshot shows a web browser window displaying a bookstore interior. Below the image is a table titled "BOOK DETAILS" with three rows:

BOOK DETAILS	
BRANCH	BOOK
Computer Science	<ul style="list-style-type: none"><li>1. Cpp</li><li>2. Java</li><li>3. Python</li></ul>
Physics	<ul style="list-style-type: none"><li>1. Modern Physics</li><li>2. Atomic Physics</li><li>3. Nuclear Physics</li></ul>
Mathematics	<ul style="list-style-type: none"><li>1. Descrete Mathematics</li><li>2. Trigonometry</li><li>3. Algebra</li></ul>

## Output:02



The screenshot shows a web browser window displaying a C++ textbook cover and an index page.

**Textbook Cover:**

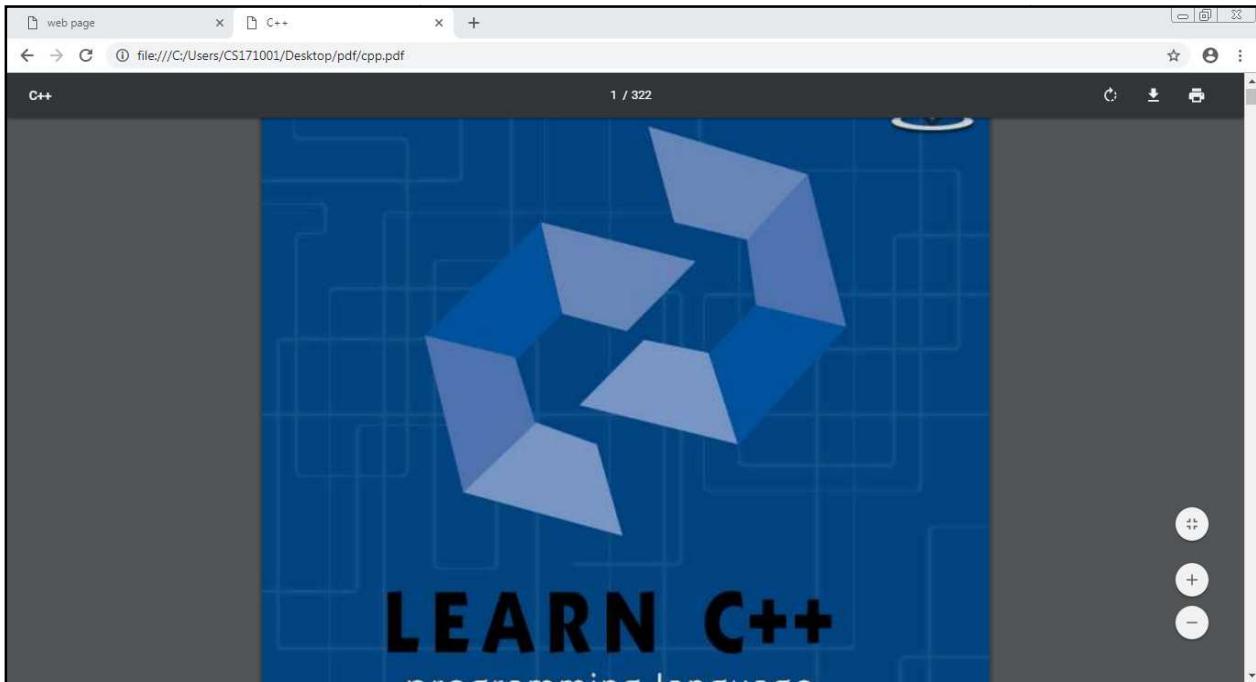
A Textbook for Class XII  
**Computer Science** with **C++**  
VOLUME I  
PREETI AORHA HONEY GUPTA  
Project Work  
sultan chand & sons

**Index Page:**

1. OVERVIEW  
2. ENVIRONMENT SETUP  
3. BASIC SYNTAX  
4. COMMENTS IN C++  
5. DATA TYPES  
6. VARIABLE TYPES  
7. CONSTANTS/LITERALS  
8. OPERATORS  
9. LOOP TYPES  
10. FUNCTIONS

[TOP](#)

### Output:03



**Program No5:** Write, test, and debug (if necessary) XHTML files and JavaScript scripts for the following problems. When required to write functions, you must include a script to test the function with at least two different data sets

1.A table of the numbers from 1 to 10 and their squares and cubes, using alert.

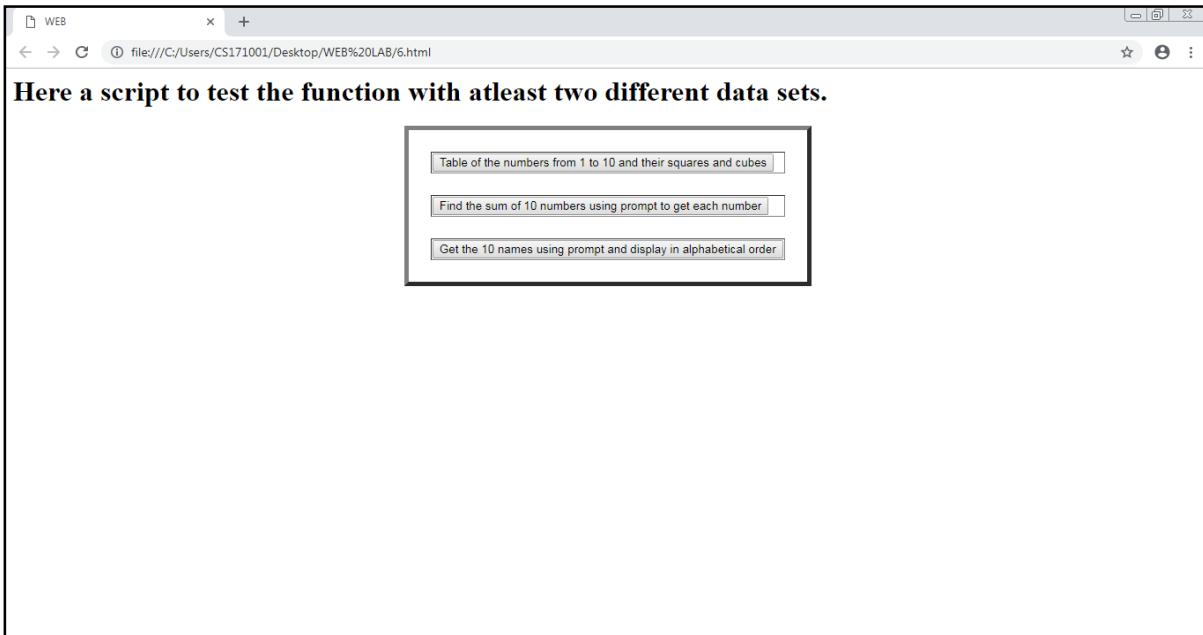
2.Find the sum of 10 numbers using prompt to get each number.

3.Get the 10 names using prompt and display in alphabetical order.

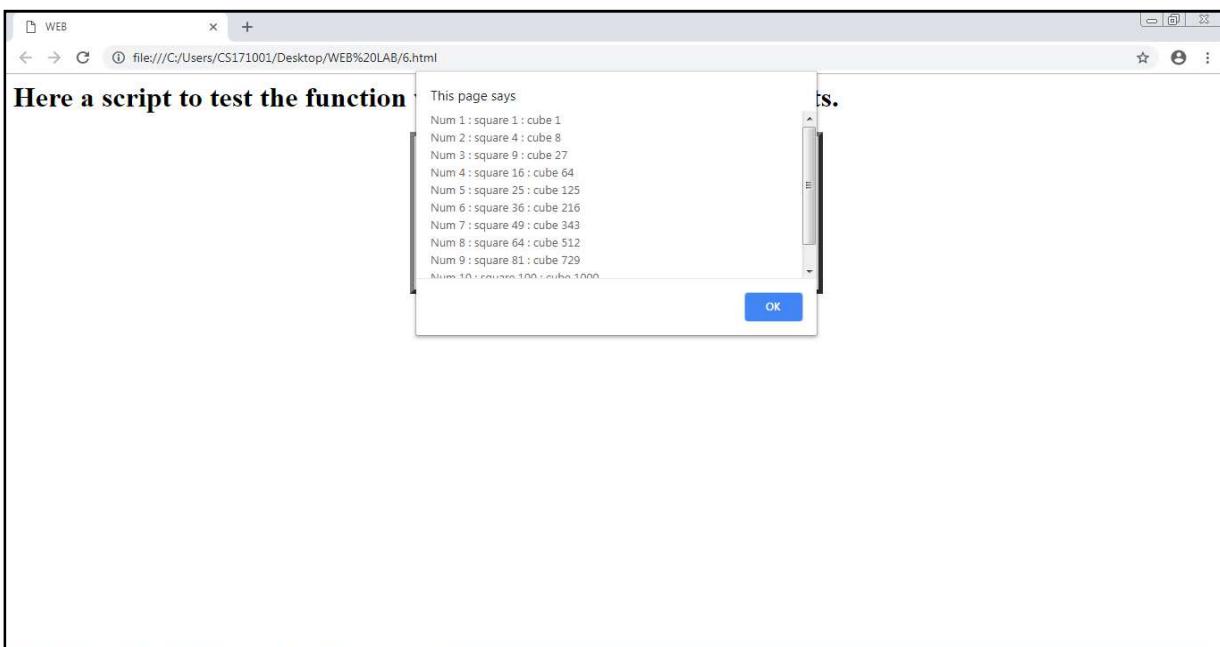
```
<html>
<head>
<title>WEB</title>
</head>
<script type="text/javascript">
function square()
{
var msg="";
for(var x= 1; x<=10;x++)
{
msg += "Num "+(x)+ " : square "+(x*x)+" : cube "+(x*x*x)+"\n"
}
alert(msg);
}
function sum()
{
var sum=0,a,n;
for(var i=0;i<10;i++)
{
a=prompt("Enter numbers to find sum");
n=parseInt(a);
sum+=n;
}
document.writeln("Sum of 10 numbers:"+sum);
}
function alpha()
{
let str=[];
for(var i=0;i<3;i++)
{
var name=prompt("Enter names");
str[i]=name;
}
document.writeln("Entered names are:"+ "<br>");
document.writeln(str+ "<br>");
var n;
n=str.sort();
```

```
document.writeln("sorted names:"+"<br>");  
document.writeln(n);  
}  
</script>  
</head>  
<body>  
<form>  
<h1>Here a script to test the function with atleast two different data sets. </h1>  
<center><table border="5"cellspacing="25">  
<tr>  
<td><input type="button"onclick="square()" value="Table of the numbers from 1 to 10  
and their squares and cubes"></td></tr>  
<tr><td><input type="button"onclick="sum()" value="Find the sum of 10 numbers using  
prompt to get each number"></td></tr>  
<tr><td><input type="button"onclick="alpha()" value="Get the 10 names using prompt  
and display in alphabetical order"></td></tr>  
</table></center></form>  
</body>  
</html>
```

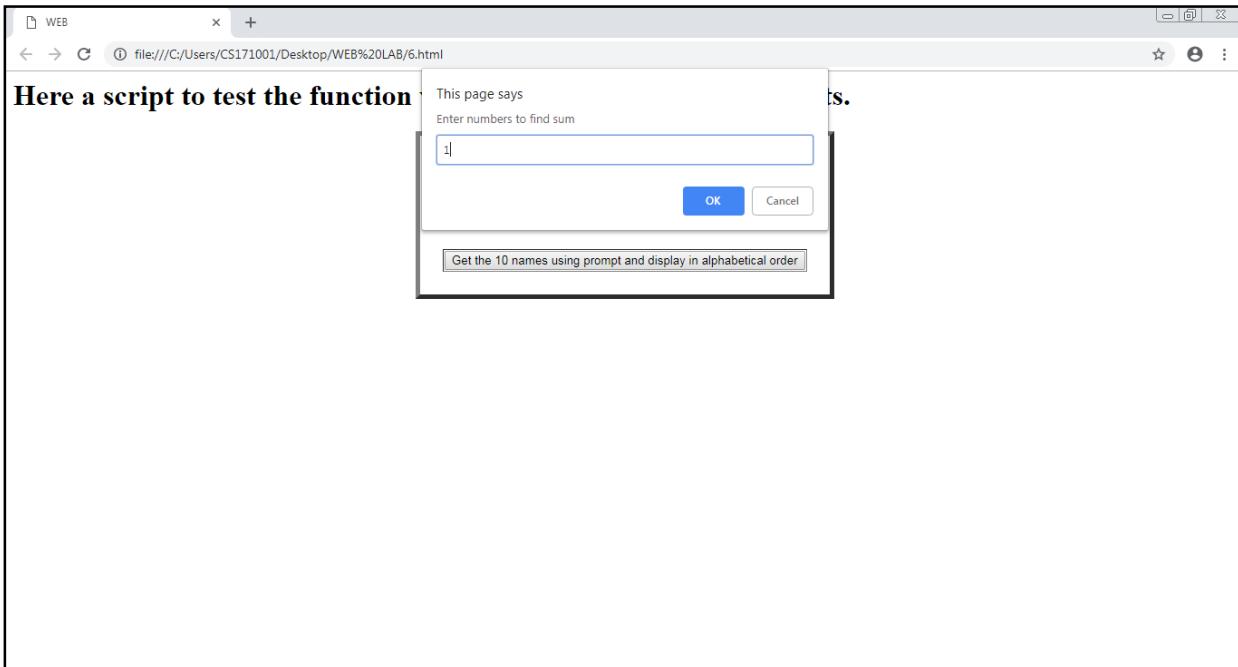
## Output:01



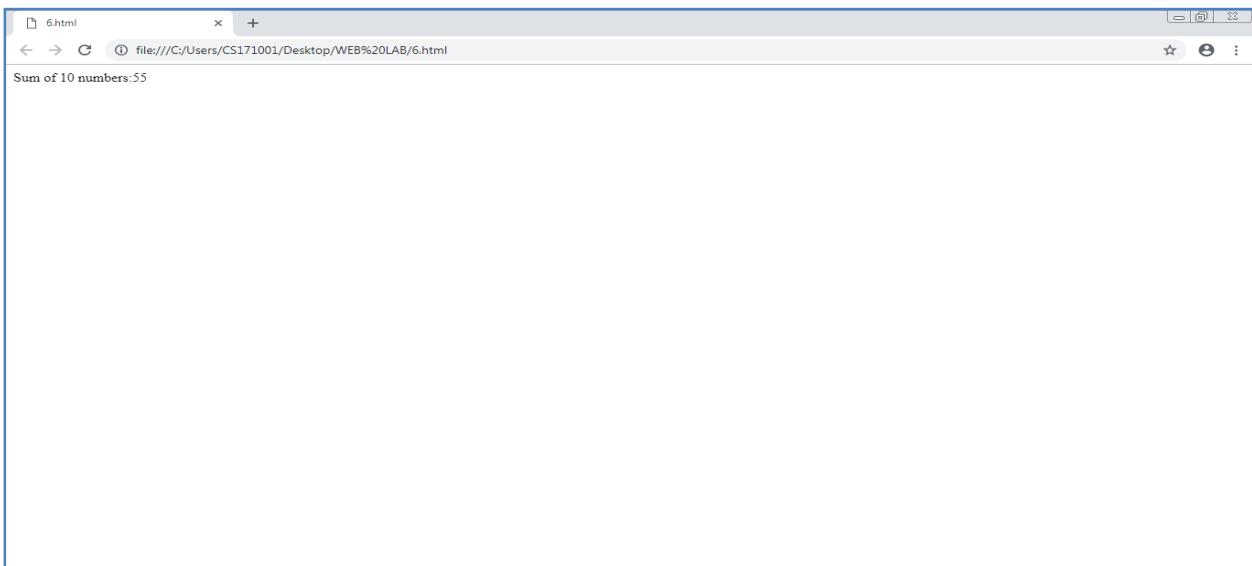
## Output:02



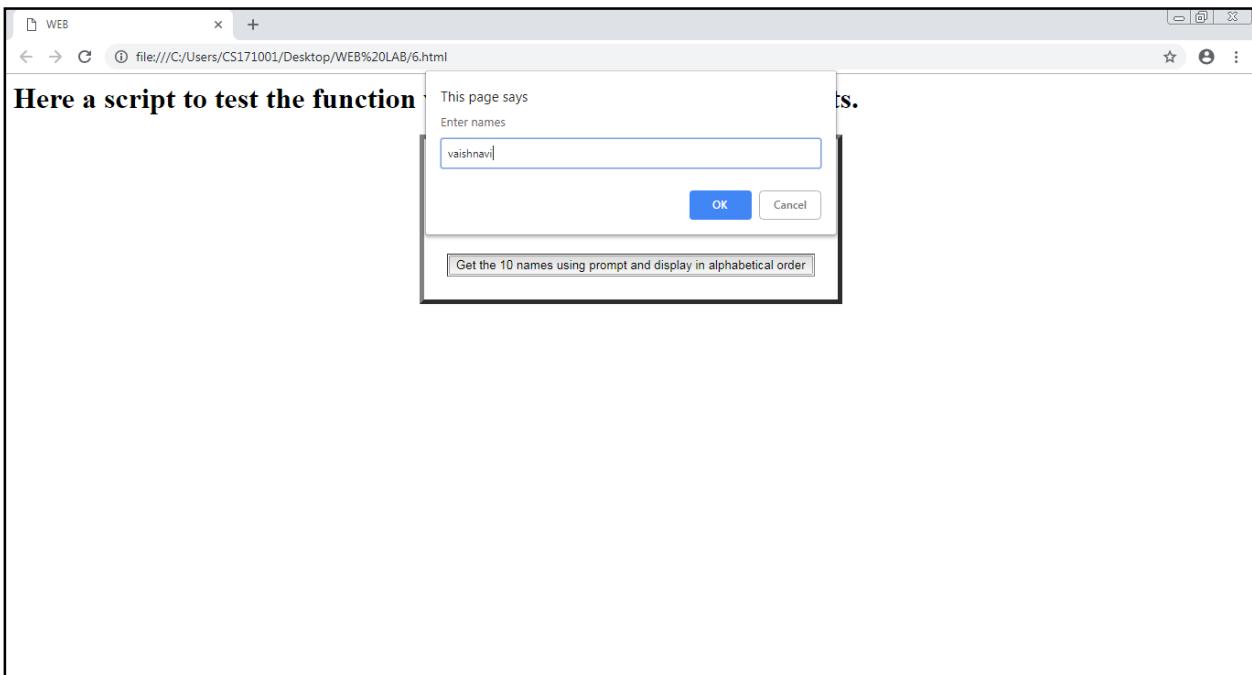
## Output:03



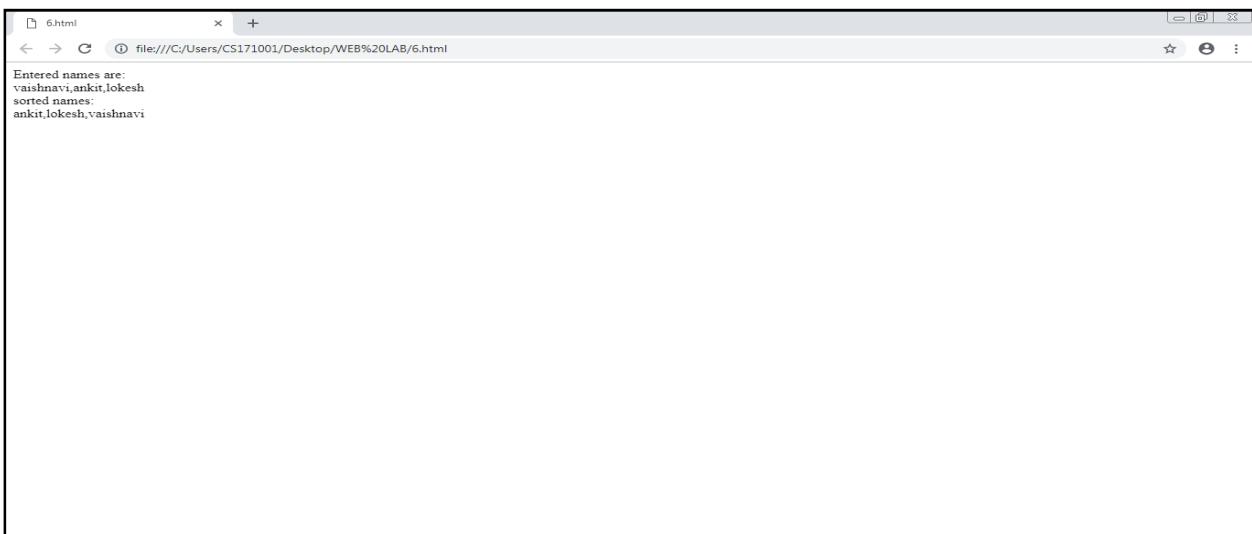
## Output:04



## Output:05



## Output:06



**Program No 6:** Write, test, and debug (if necessary) XHTML files and JavaScript scripts for the following problems. When required to write functions, you must include a script to test the function with at least two different data sets

1. Find the number of ovals in a given text of line
2. Find the total number of negative numbers, zeroes, and values greater than zeros and get the 100 numbers using prompt.
3. Find the number with its digits in reverse order.
4. Searching Arrays: Linear Search and Binary Search

```
<html>
<head>
<title>lab6</title>
<script type="text/javascript">
function vowel()
{
var str="";
var store="";
var str2="";
var count=0;
str=prompt("Enter the String");
str2=str.length;
for(var i=0;i<str2;i++)
{
if(str.charAt(i)=='a'||str.charAt(i)=='e'||str.charAt(i)=='i'||str.charAt(i)=='o'||str.charAt(i)=='u'
||str.charAt(i)=='A'||str.charAt(i)=='E'||str.charAt(i)=='T'||str.charAt(i)=='O'||str.charAt(i)=='U')
count++;
}
store+="The Given String is: "+(str)+"\nThe Number of vowels are in Given String: "+(count)+"\n"
alert(store);
}
function number()
{
var pos=0;
var neg=0;
var zero=-1;
var z="";
var i,j;
var size;
let rand=[];
for(i=1;i<=10;i++)
{
var x=prompt("Enter numbers");
rand[i]=x;
var len=rand.length;
}
```

```
for(j=1;j<=len;j++)
{
if(rand[j]>0)
{
pos++;
}
else if(rand[j]<0)
{
neg++;
}
else
{
zero++;
}
}

z+="The Random Numbers between 1-10 are : "+(rand)+"\n The number of Positive No's are : "
+(pos)+"\n The number of Negative No's are : "+(neg)+"\n The number of Zero's are :
"+(zero)+"\n";
alert(z);
}

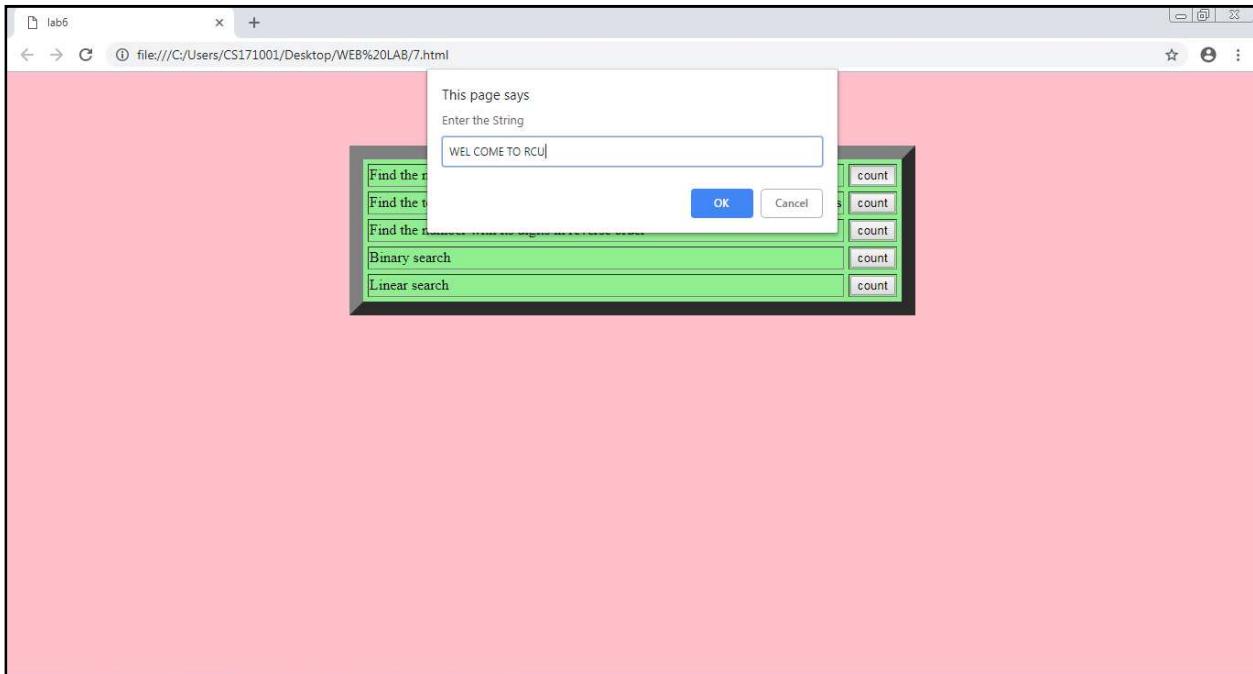
function reverse()
{
var a,n,rem,rev=0,ori;
n=prompt("enter n value","");
document.writeln("given number "+n+"  
");
ori=n;
while(n>0)
{
rem=n%10;
rev=rev*10+rem;
n=Math.floor(n/10);
}
document.writeln("reverse "+rev+"  
 ");
}

function linear()
{
var n=prompt("Enter the size of an array");
let a=[];
let x=[];
var flag=0;
for(var i=0; i<n; i++)
{
a[i]=prompt("Enter array elements");
}
var k=prompt("Enter the key element to search: ");
for(var i=0; i<a.length; i++)
```

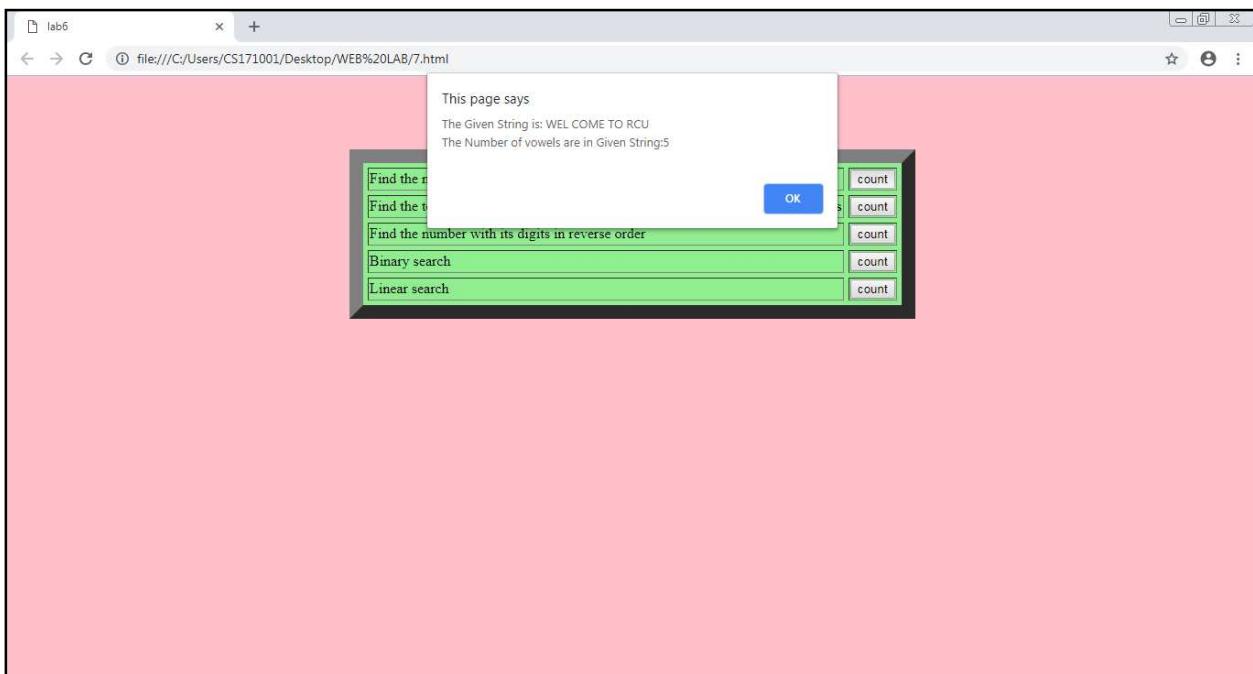
```
{  
if(k==a[i])  
{  
flag=1;  
break;  
}  
}  
if(flag==1)  
{  
alert("Element "+a[i]+" Found at Position:"+i);  
}  
else  
{  
alert("Element Not Found");  
}  
}  
}  
function bin()  
{  
var n=parseInt(prompt("enter the size of an array: "));  
var a=new Array(n);  
var p=0;  
for(var i=0;i<a.length;i++)  
{  
a[i]=parseInt(prompt("enter array elements"));  
}  
for(var i=0;i<a.length;i++)  
{  
for(var j=i+1;j<a.length;j++)  
{  
if(a[i]>a[j])  
{  
var t=a[i];  
a[i]=a[j];  
a[j]=t;  
}  
}  
}  
var k=parseInt(prompt("enter the key element "));  
var i=0;  
var u=parseInt(a.length-1);  
while(i<=u)  
{  
var m=parseInt((i+u)/2);  
if(k==a[m])  
{  
p=1;  
}
```

```
break;
}
else if(k>a[m])
{
i=m+1;
}
else if(k<a[m])
{
u=m-1;
}
}
if(p==1)
document.writeln("element found at position:"+m);
else
document.writeln("element not found");
}
</script>
</head>
<body bgcolor="pink"><br><br><br><br>
<center><table border="15" cellspacing="5" bgcolor="lightgreen">
<tr><td>Find the number of vowels in a given text of line</td>
<td><input type="button" onclick="vowel()" value="count"></td></tr>
<tr><td>Find the total number of negative numbers, zeroes, and values greater than zeros</td>
<td><input type="button" onclick="number()" value="count"></td></tr>
<tr><td>Find the number with its digits in reverse order</td>
<td><input type="button" onclick="reverse()" value="count"></td></tr>
<tr><td>Binary search</td>
<td><input type="button" onclick="bin()" value="count"></td></tr>
<tr><td>Linear search</td>
<td><input type="button" onclick="linear()" value="count"></td></tr>
</body>
</html>
```

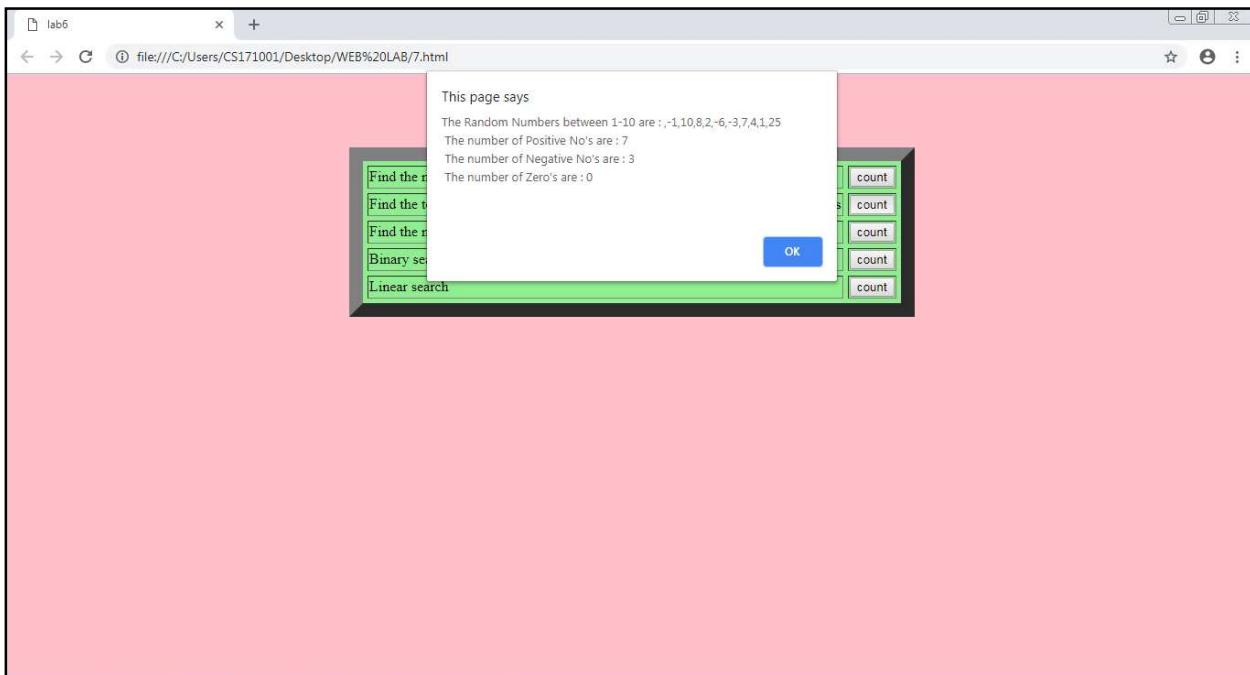
## Output:01



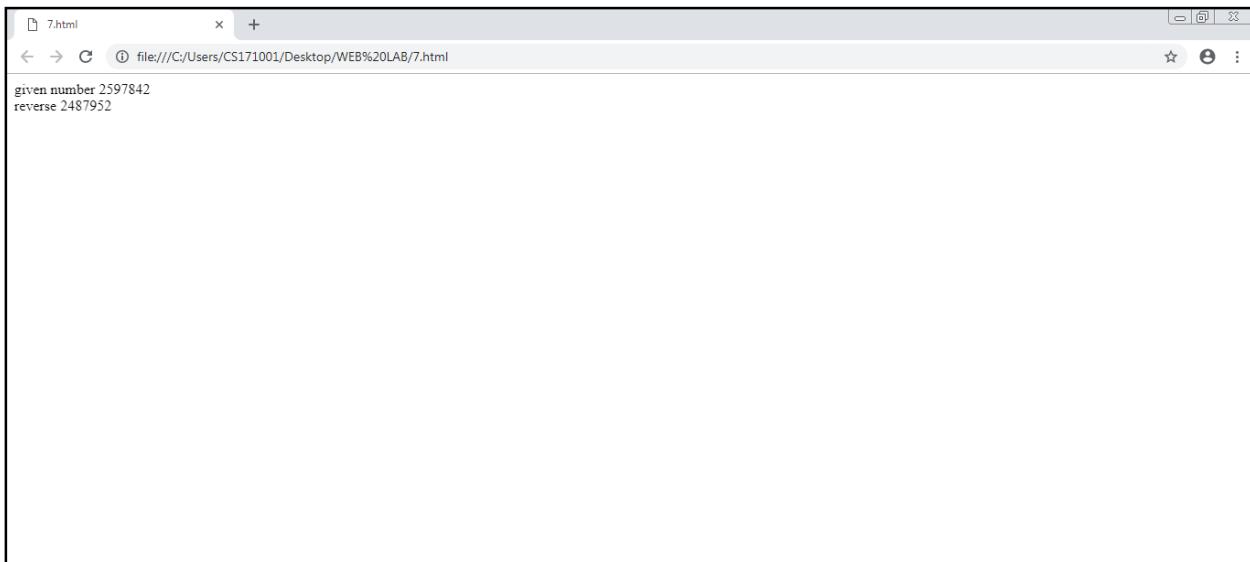
## Output:02



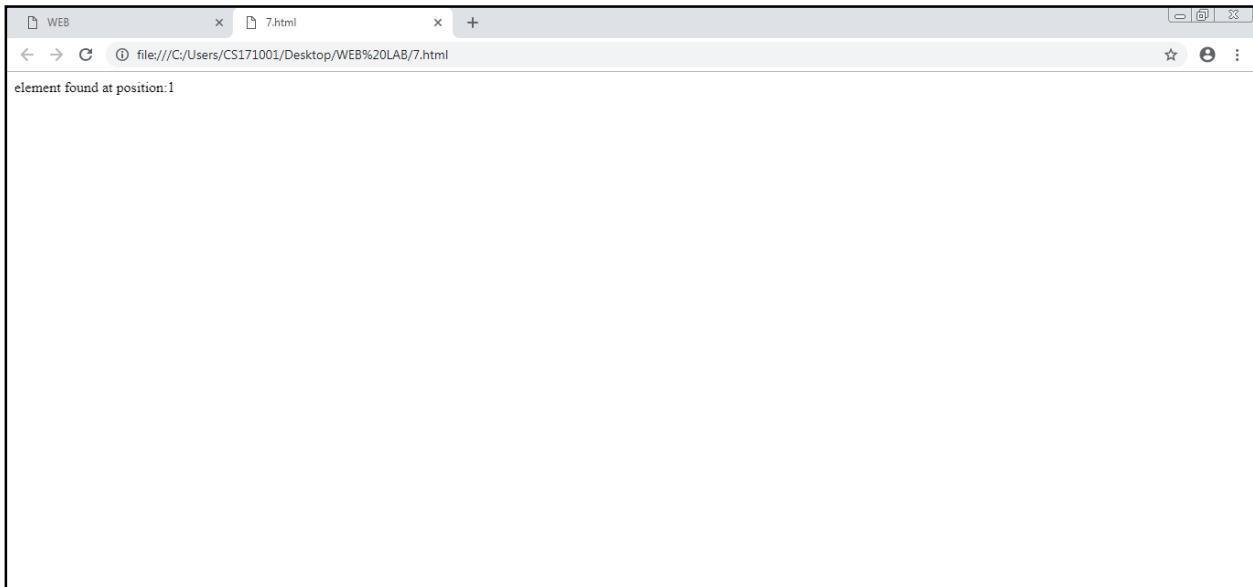
## Output:03



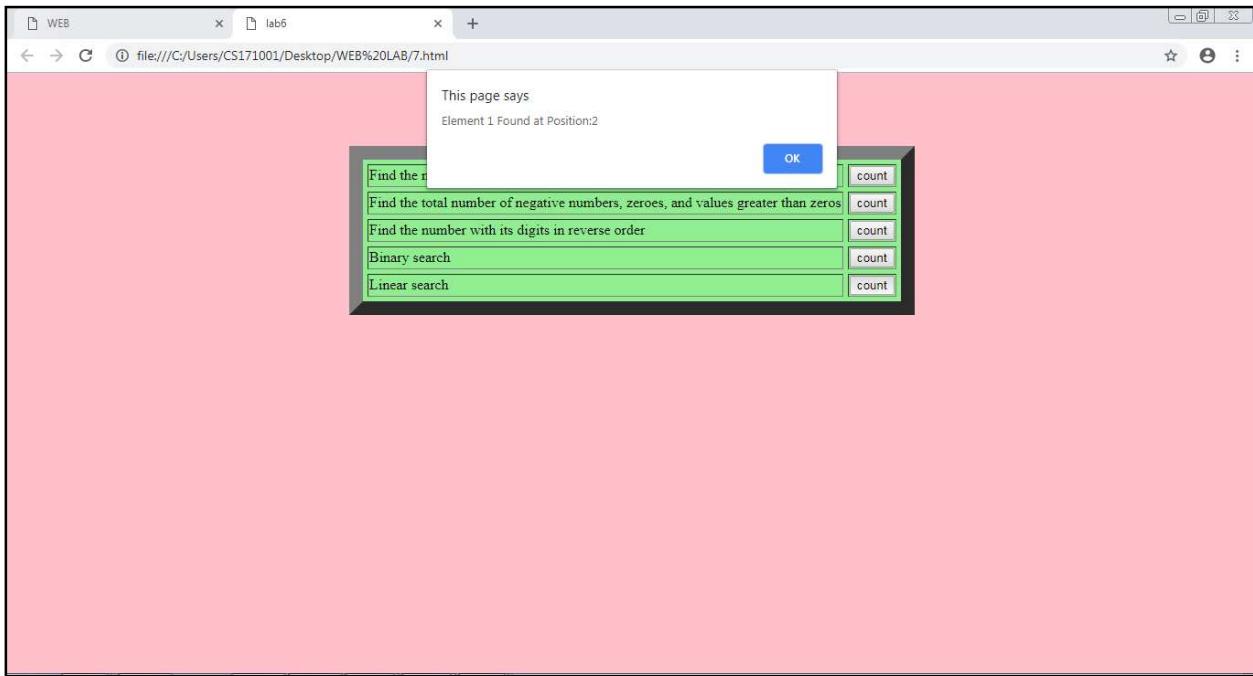
## Output:04



## Output:05



## Output:06

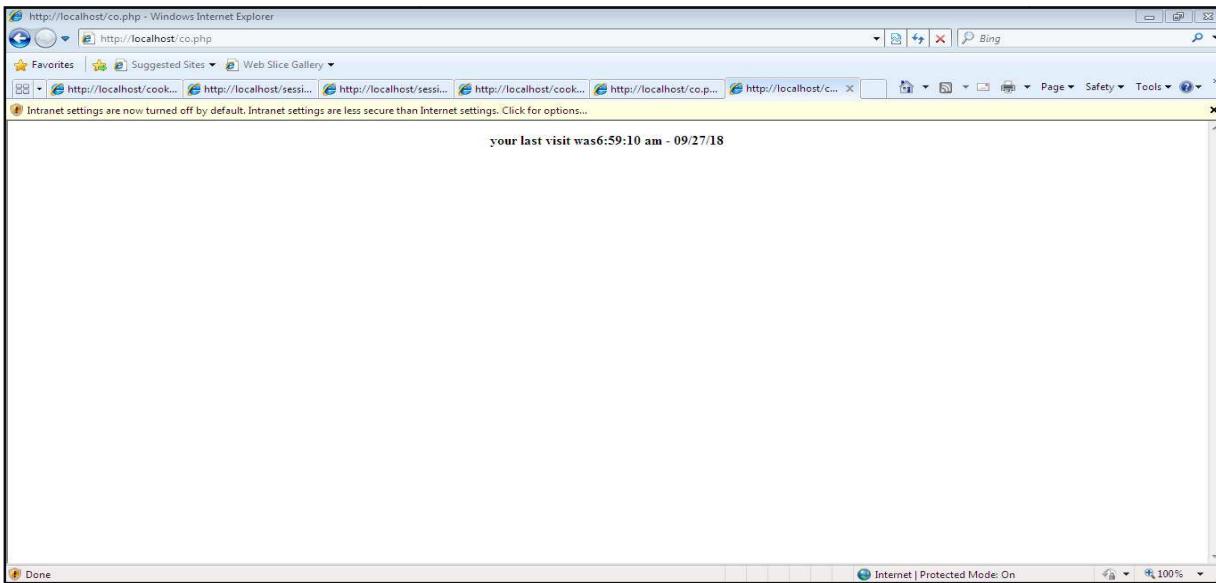


**Program No 7:** Write a PHP program to store current date-time in a COOKIE and display the “Last visited on” date-time on the web page upon reopening of the same page

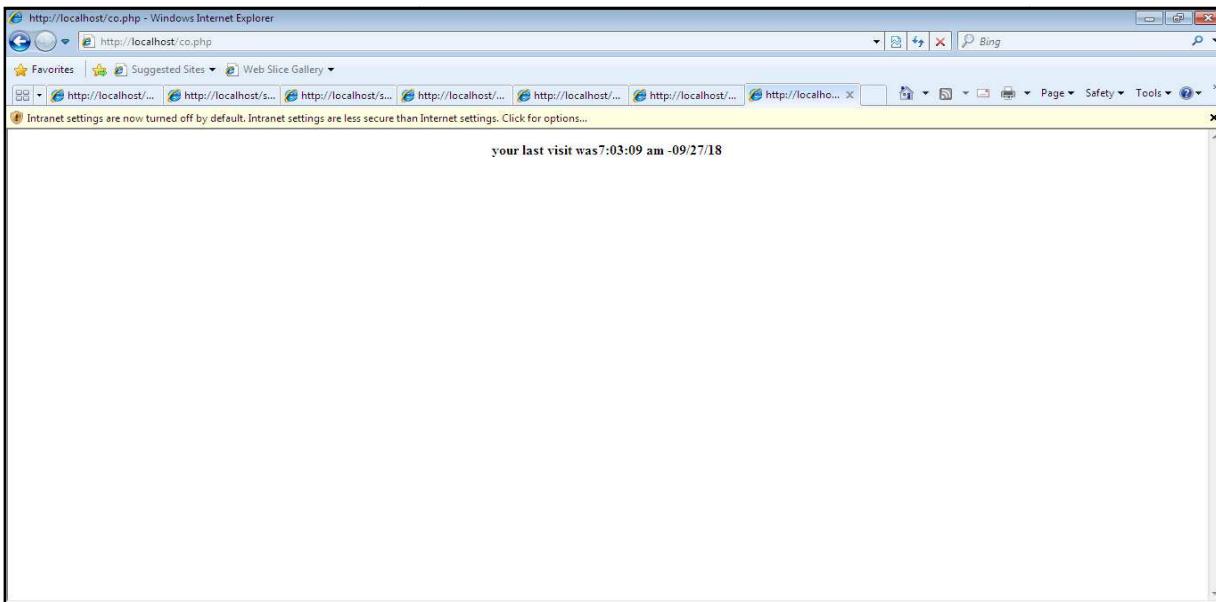
### Cookie.php

```
<?php  
$no_day=60*60*24*30+time();  
setcookie("visitdate",date("G:i:s a -m/d/y"),"$no_day");  
if(isset($_COOKIE["visitdate"]))  
{  
$lastvisit=$_COOKIE["visitdate"];  
print"<center><b> your last visit was".$lastvisit;  
}  
else  
{  
print "please set the cookie";  
}  
?>
```

## Output:01



## Output:02

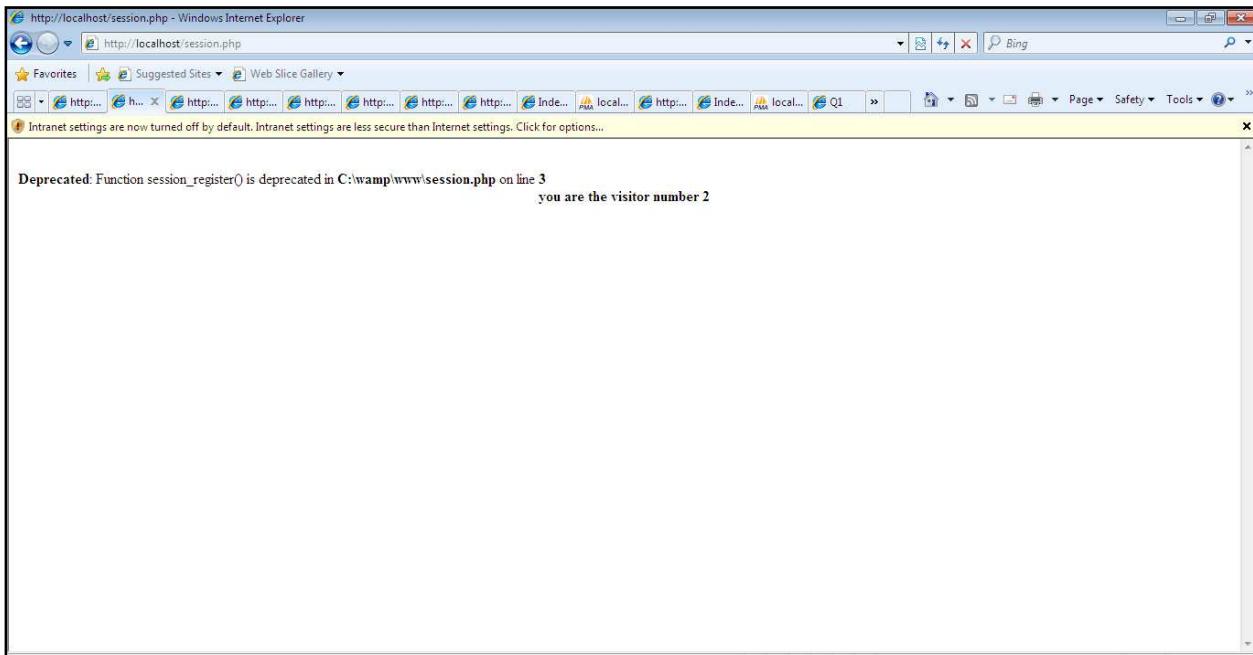


**Program No 8:** Write a PHP program to store page views count in SESSION, to increment the count on each refresh, and to show the count on web page

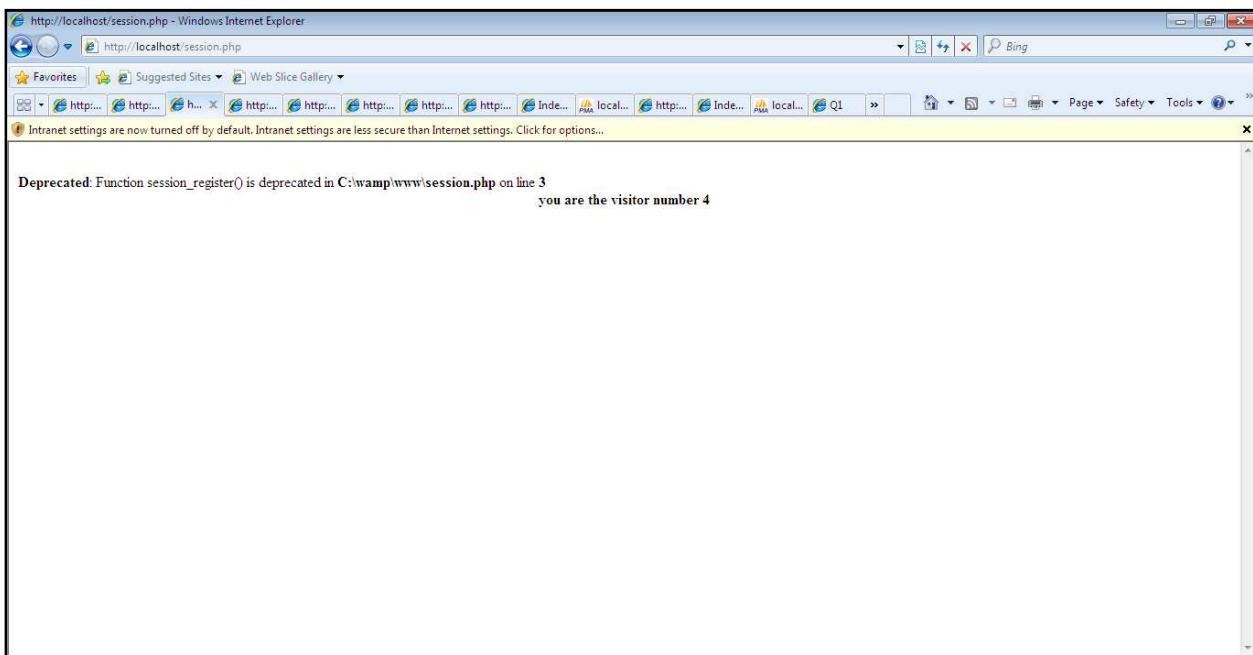
**Session.php**

```
<?php  
session_start();  
session_register("pagecount");  
  
if(!isset($_SESSION["pagecount"]))  
{  
$_SESSION["pagecount"]=0;  
}  
else  
{  
$_SESSION["pagecount"]++;  
}  
print "<center><b>you are the visitor number $_SESSION[pagecount]</b>";  
print "</center>";  
?>
```

## Output:01



## Output:02



**Program No 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.**

### **Q1.html**

```
<?xml version="1" 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>Q1</title></head>
<body bgcolor="lightgreen">
<center><b>SELECT THE FOLLOWING OPTION</b><br /><br />
<a href="Q1a.html">CLICK HERE TO INSERT INTO DATABASE TABLE</a><br /><br />
<a href ="Q1b.html">CLICK HERE TO SEARCH FOR A NAME</a>
</center></body></html>
```

### **Q1a.html**

```
<?xml version="1" 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>Q1</title></head>
<body bgcolor="lightgreen">
<form method="get" action="Insert.php">
<center><b>ENTER THE FOLLWING FIELDS</b><br /><br />
<p>NAME &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp; <input type="text" name="nam"><br /><br />
ADDR LINE1 <input type="text" name="add1"><br /><br />
ADDR LINE2 <input type="text" name="add2"><br /><br />
EMAIL ADDR <input type="text" name="email"><br /><br />
<input type="submit" value="INSERT"></p>
</center></form></body></html>
```

### **Q1b.html**

```
<?xml version="1" 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>Q1</title></head>
<body bgcolor="lightgreen">
<form method="get" action="Search.php">
<center><b>ENTER THE NAME TO BE SEARCH</b><br /><br />
NAME <input type="text" name="nam"><br /><br />
<input type="submit" value="SEARCH">
</center></form></body></html>
```

### **Insert.php**

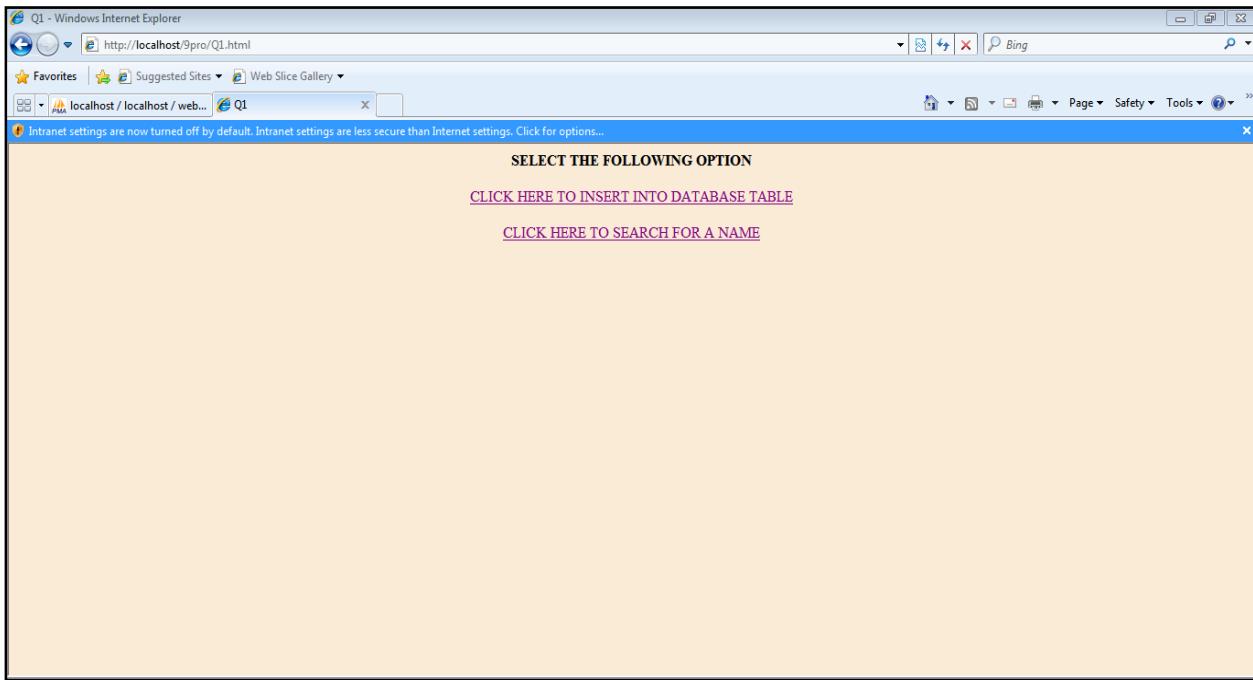
```
<html><body bgcolor="AntiqueWhite"><center>
<b>DATABASE CONTENTS ARE SHOWN BELOW</b><br><br>
<?php
```

```
$nam=$_GET["nam"];
$add1=$_GET["add1"];
$add2=$_GET["add2"];
$email=$_GET["email"];
$con=mysql_connect("localhost","root","");
mysql_select_db("web");
$res=mysql_query("insert into nam_info values('$nam','$add1','$add2','$email')");
?>
<table border=1>
<tr><td>NAME</td><td>ADDRESS1</td><td>ADDRESS </td><td>EMAIL</td></tr>
<?php
$res1=mysql_query("select * from nam_info");
while($a=mysql_fetch_row($res1))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td></tr>";
}
?>
</table>
<a href="Q1.html">CLICK HERE TO GO HOME</a></center></body></html>
Search.php
<html><body bgcolor="AntiqueWhite"><center>
<b>DATABASE CONTENTS ARE SHOWN BELOW</b><br><br>
<?php
$nam=$_GET["nam"];
$con=mysql_connect("localhost","root","");
mysql_select_db("web");
$res=mysql_query("select * from nam_info where name='$nam'");
?>
<table border=1>
<tr><td>NAME</td><td>ADDRESS 1</td><td>ADDRESS 2</td><td>EMAIL</td></tr>
<?php
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td></tr>";
}
?>
</table>
<a href="Lab13.html">CLICK HERE TO GO HOME</a></center></body></html>
```

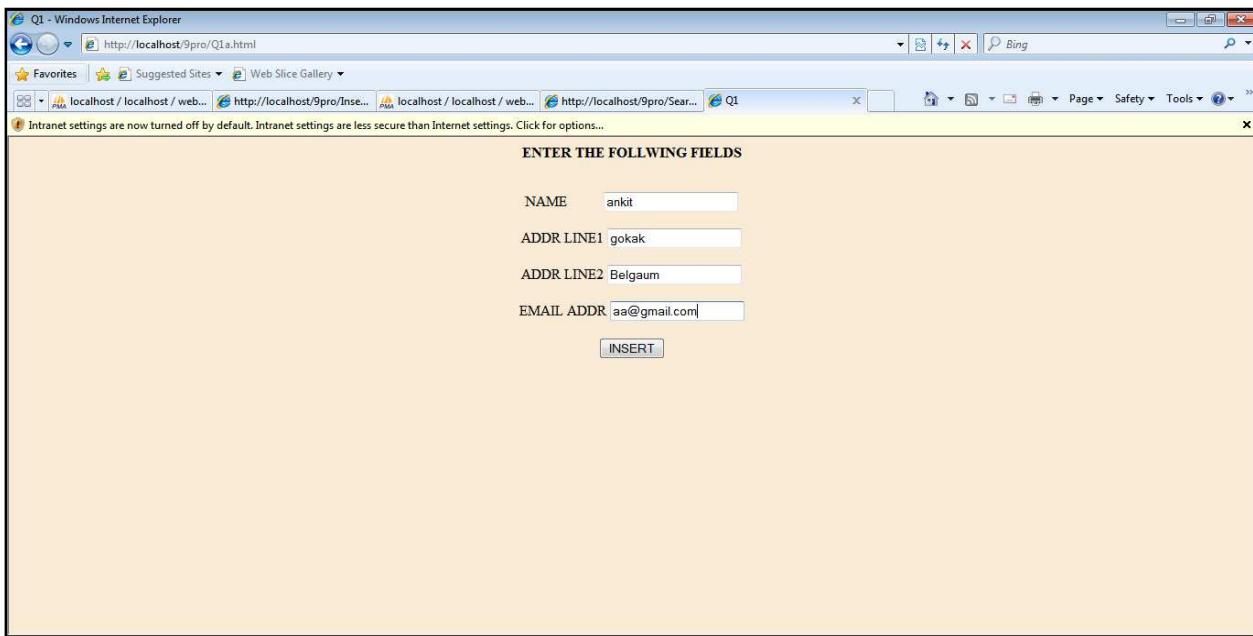
# Web Programming Lab

---

## Output:01

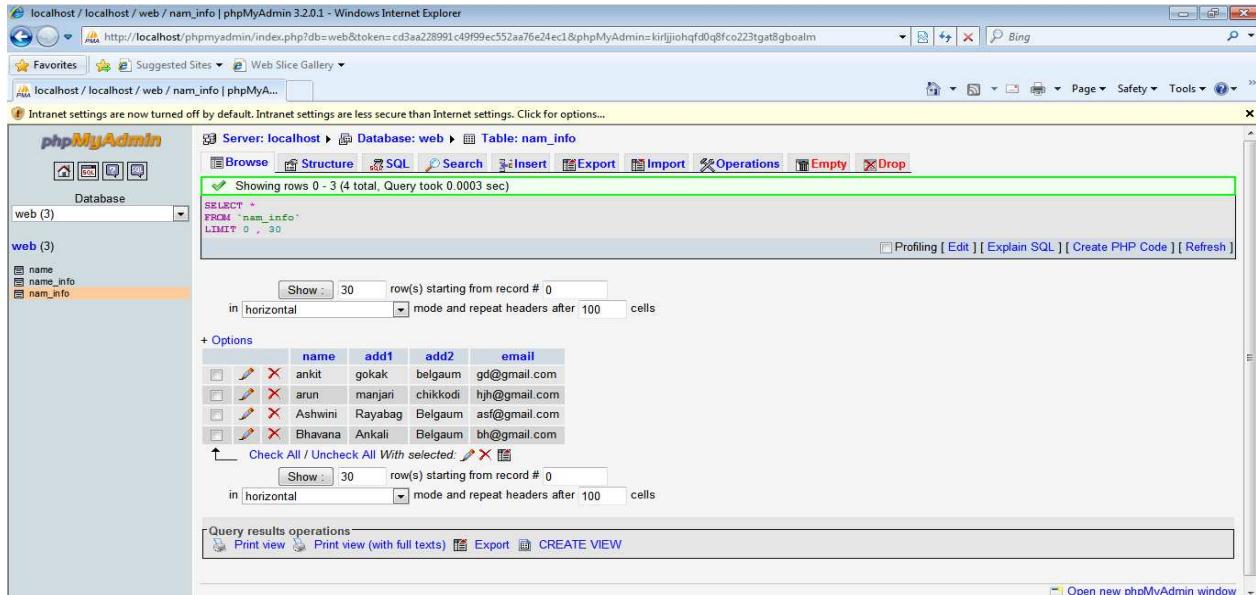


## Output:02



# Web Programming Lab

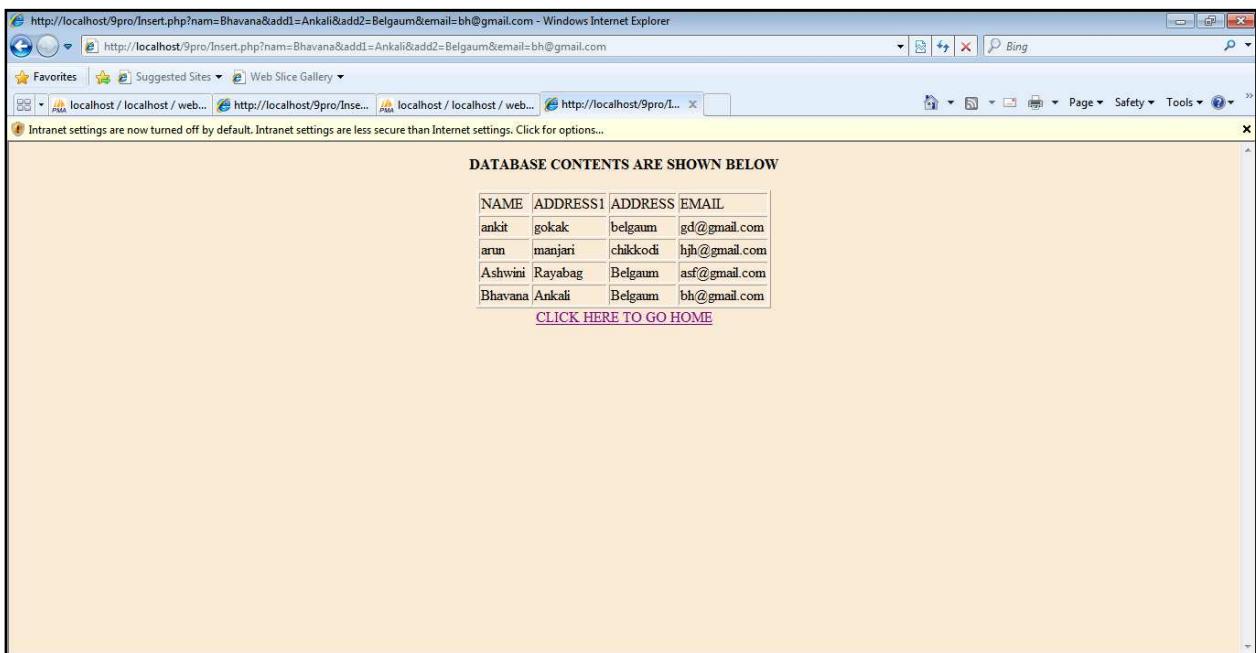
## Output:03



The screenshot shows the phpMyAdmin interface for a database named 'web'. The 'nam\_info' table is selected. The table has four columns: name, add1, add2, and email. The data is as follows:

	name	add1	add2	email
1	ankit	gokak	belgaum	gd@gmail.com
2	arun	manjari	chikkodi	jhj@gmail.com
3	Ashwini	Rayabag	Belgaum	asf@gmail.com
4	Bhavana	Ankali	Belgaum	bh@gmail.com

## Output:04



The screenshot shows a web page with the URL <http://localhost/9pro/Insert.php?name=Bhavana&add1=Ankali&add2=Belgaum&email=bh@gmail.com>. The page displays a table with the same data as the previous screenshot, indicating that the data has been successfully inserted into the database.

NAME	ADDRESS1	ADDRESS2	EMAIL
ankit	gokak	belgaum	gd@gmail.com
arun	manjari	chikkodi	jhj@gmail.com
Ashwini	Rayabag	Belgaum	asf@gmail.com
Bhavana	Ankali	Belgaum	bh@gmail.com

## Output:05

A screenshot of a Windows Internet Explorer window titled "Q1 - Windows Internet Explorer". The address bar shows the URL "http://localhost:9pro/Q1b.html". The page content is a search form with the following text:  
ENTER THE NAME TO BE SEARCH  
NAME

## Output:06

A screenshot of a Windows Internet Explorer window titled "http://localhost:9pro/Search.php?nam=Bhavana - Windows Internet Explorer". The address bar shows the URL "http://localhost:9pro/Search.php?nam=Bhavana". The page content displays the following information:  
DATABASE CONTENTS ARE SHOWN BELOW  

NAME	ADDRESS 1	ADDRESS 2	EMAIL
Bhavana	Ankali	Belgaum	bh@gmail.com

[CLICK HERE TO GO HOME](#)

### **Program No 10: Design an XML document to store information about a student.**

#### **Student.xml**

```
<?xml version="1.0" ?>
<!-- Obtain stylesheet. Note that the xml file & css file should be in the same directory/location --
->
<?xml-stylesheet type="text/css" href="student.css" ?>
<student><h3>Student-Information</h3>
    Student 1 details:
    <info>
        USN:<usn>CS171001</usn>
        Name:<name>SHIVAM</name>
        College:<coll>RCU Belagavi</coll>
        Branch:<branch>Computer Science</branch>
        Year Of Joining:<yoj>2017</yoj>
        Email-ID:<email>shivam@gmail.com</email>
    </info>
    Student 2 details:
    <info>
        USN:<usn>CM171014</usn>
        Name:<name>SHRAVANI</name>
        College:<coll>CLE Chikodi</coll>
        Branch:<branch>Commerce</branch>
        Year Of Joining:<yoj>2015</yoj>
        Email-ID:<email>shravani@gmail.com</email>
    </info>
    Student 3 details:
    <info>
        USN:<usn>AR171015</usn>
        Name:<name>PRAJAKTA</name>
        College:<coll>AIT Belgaum</coll>
        Branch:<branch>ARCH Engg</branch>
        Year Of Joining:<yoj>2018</yoj>
        Email-ID:<email>prajakta45@gmail.com</email>
    </info>
</student>
```

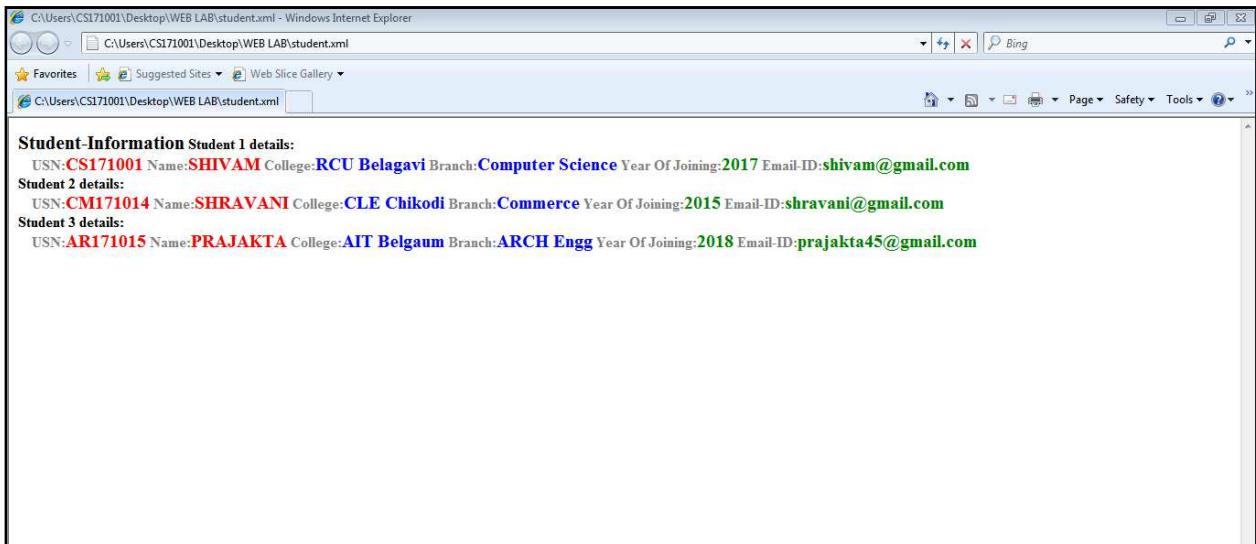
#### **Student.css**

```
student {margin-top:15px;font-weight:bold;color:black;}
info {display:block;margin-left:15px;color:gray;}
usn, name {color:red;font-size:15pt;}
coll, branch {color:blue;font-size:15pt;}
yoj, email {color:green;font-size:15pt;}
h3{color:red; font-size:16pt; }
```

# Web Programming Lab

---

## Output:01



**Program No 11:**Using PHP and WampServer develop a program to accept book information viz. Accession number, title, authors, edition and publisher from a web page and store the information in a database and to search for a book with the title specified by the user and to display the search results with proper headings.

### **Home.html**

```
<html>
<head><title>HOME</title></head>
<br><br><br><br>
<body bgcolor="silver">
<center><b>SELECT THE FOLLOWING OPTION</b><br /><br />
<a href="ins.html">CLICK HERE TO INSERT INTO DATABASE TABLE</a><br /><br />
<a href ="sea.html">CLICK HERE TO SEARCH FOR A BOOK TITLE</a><br /><br />
<a href ="del.html">CLICK HERE TO DELETE FOR A BOOK TITLE</a><br /><br />
<a href ="disp.html">CLICK HERE TO DISPLAY</a><br /><br />
</center></body></html><br><br><br>
```

### **Ins.html**

```
<html>
<head><title>insert into database</title></head>
<body bgcolor="silver">
<form method="get" action="insert1.php"><br><br>
<center><b>ENTER THE FOLLOWING FIELDS</b><br><br>
<table>
<tr><td>ACC NO</td><td><input type="text" name="nam"></td></tr>
<tr><td>TITLE</td><td><input type="text" name="title"></td></tr>
<tr><td>AUTHOR</td><td><input type="text" name="author"></td></tr>
<tr><td>EDITION</td><td><input type="text" name="edition"></td></tr>
<tr><td>PUBLICATION</td><td><input type="text" name="pub"></td></tr></table>
<br><br>
<input type="submit" value="INSERT">
</center></form></body></html>
```

### **Sea.html**

```
<html>
<head><title>Q5</title></head>
<body bgcolor="silver">
<form method="get" action="search1.php">
<center><b>ENTER THE TITLE OF THE BOOK TO BE SEARCH</b><br><br>
TITLE OF THE BOOK <input type="text" name="nam"><br><br>
<input type="submit" value="SEARCH">
</center></form></body></html>
```

**Del.html**

```
<html>
<head><title>Q5</title></head>
<body bgcolor="silver">
<form method="get" action="delete.php">
<center><b>ENTER THE TITLE OF THE BOOK TO BE DELETE</b><br><br>
TITLE OF THE BOOK <input type="text" name="nam"><br><br>
<input type="submit" value="DELETE">
</center></form></body></html>
```

**Insert.php**

```
<html><body bgcolor="silver"><center>
<b>DATABASE CONTENTS ARE SHOWN BELOW</b><br><br>
<?php
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("insert into book_info
values('".$_GET['nam']."','".$_GET['title']."'."','".$_GET['author']."'."','".$_GET['edition']."'."','".$_GET['pub']."'')");
?>
<table border=1>
<tr><td>ACC NO</td><td>TITLE 1</td><td>AUTHOR
2</td><td>EDITION</td><td>PUBLICATION</td></tr>
<?php
$res1=mysql_query("select * from book_info");
while($a=mysql_fetch_row($res1))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td>";
print "<td>$a[4]</td></tr>";
}
?>
</table><br><a href="home.html">CLICK HERE TO GO HOME</a></center></body></html>
```

**Search.php**

```
<html><body bgcolor="silver"><center>
<b>DATABASE CONTENTS ARE SHOWN BELOW</b><br><br>
<?php
$title=$_GET["nam"];
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("select * from book_info where title='$title'");
$num=mysql_num_rows($res);
```

```
?>
<table border=1>
<tr><td>ACCT NO</td><td>TITLE</td>
<td>AUTHOR</td><td>EDITION</td><td>PUBLICATION</td></tr>
<?php
if($num > 0)
{
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td>";
print "<td>$a[4]</td></tr>";
}
}
else
{
print "no rows found";
}
?>
</table>
<a href="home.html">CLICK HERE TO GO HOME</a></center></body></html>
```

### Delete.php

```
<html><body bgcolor="silver"><center>
<b>DATABASE CONTENTS ARE SHOWN BELOW</b><br><br>
<?php
$title=$_GET["nam"];
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("delete from book_info where title='$title'");
?>
<table border=1>
<tr><td>ACCT NO</td><td>TITLE</td>
<td>AUTHOR</td><td>EDITION</td><td>PUBLICATION</td></tr>
<?php
$res1=mysql_query("select * from book_info");
while($a=mysql_fetch_row($res1))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td>";
print "<td>$a[4]</td></tr>";
```

```
}
```

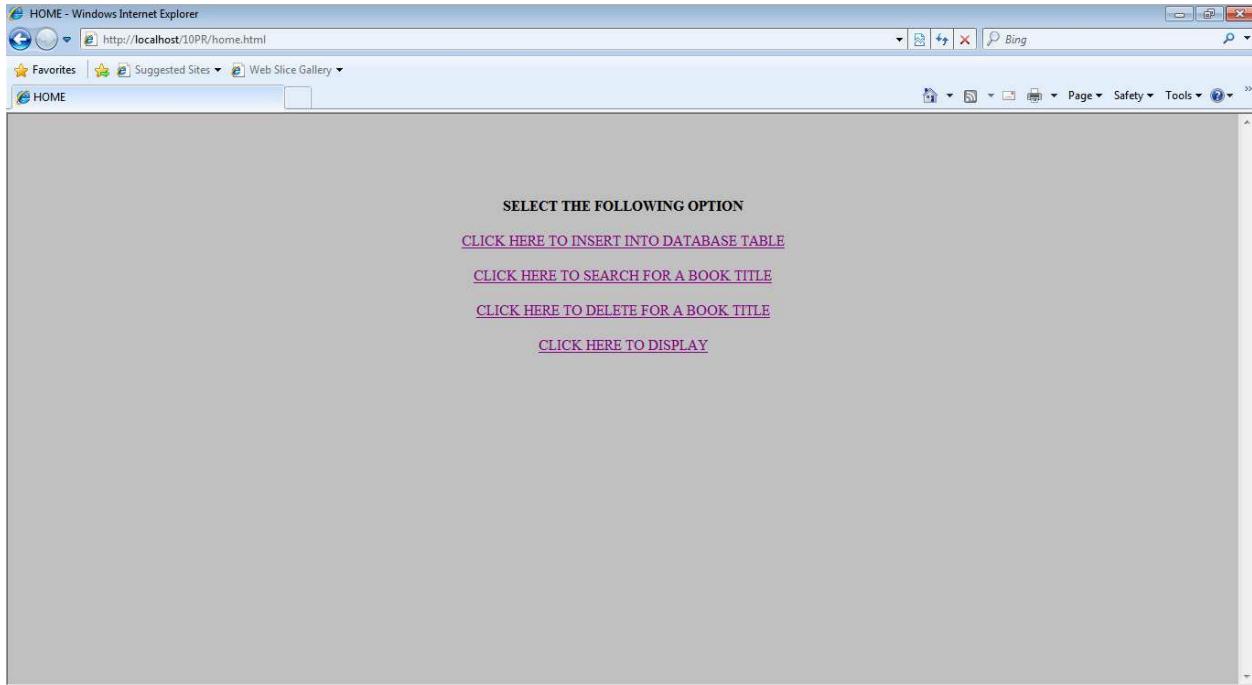
```
?>
```

```
</table><br><a href="home.html">CLICK HERE TO GO HOME</a></center></body></html>
```

# Web Programming Lab

---

## Output:01



## Output:02

The screenshot shows a Windows Internet Explorer window with the title "insert into database - Windows Internet Explorer". The URL in the address bar is "http://localhost:10PR/ins.html". The page content is titled "ENTER THE FOLLOWING FIELDS" and contains a form with five fields:

ACC NO	1111
TITLE	JAVA
AUTHOR	E Balagurusamy
EDITION	second
PUBLICATION	pearson

Below the form is a blue "INSERT" button.

## Web Programming Lab

### Output:03

The screenshot shows a Windows Internet Explorer window with the URL <http://localhost/10PR/insert1.php?nam=126&title=Java&author=AAAA&edition=3rd&pub=pearson>. The page displays the following table:

ACC NO	TITLE 1	AUTHOR 2	EDITION	PUBLICATION
123	computer	Balagurus	2nd	pearson
124	C Programm	P B Kotur	3rd	pearson
125	Data stru	Tenambau	4th	Grawhill
126	Java	AAAA	3rd	pearson

Below the table is a link: [CLICK HERE TO GO HOME](#).

### Output:05

The screenshot shows a Windows Internet Explorer window with the URL <http://localhost/10PR/sea.html>. The page contains the following form:

ENTER THE TITLE OF THE BOOK TO BE SEARCH

TITLE OF THE BOOK

# Web Programming Lab

---

## Output:06

The screenshot shows a Microsoft Internet Explorer window with the URL <http://localhost/10PR/search1.php?nam=java> in the address bar. The page content displays a table titled "DATABASE CONTENTS ARE SHOWN BELOW". The table has columns: ACCT NO, TITLE, AUTHOR, EDITION, and PUBLICATION. It contains two rows of data:

ACCT NO	TITLE	AUTHOR	EDITION	PUBLICATION
126	Java	AAAA	3rd	person
1111	JAVA	E Balaguru	second	person

Below the table is a link: [CLICK HERE TO GO HOME](#).

**Program No 12: Develop A COMPANY database browser application.** The initial Web page in this application lists all the departments in the company. By following hyperlinks, the user may see more details of departments, employees, and projects in three separate Web pages. Implement the browser program using four PHP scripts: (a) **companyBrowse.php:** This script lists all the departments in the company in a tabular form (b) **deptView.php:** (c) **empView.php:** (d) **projectView.php:**

### **Home.html**

```
<html>
<body>
<h1><font color="black"> List of Departments In Company</font></h1><br>
<h3><a href="civil.html"><font color="black">CIVIL</font></a></h3><br>
<h3><a href="Computer.html"><font color="black">COMPUTER</font></a></h3>
</body>
</html>
```

### **Civil.html**

```
<html>
<body>
<h2> More about company details</h2>
<a href="deptView.php">Department View</a><br>
<a href="empView.php">Employee View</a><br>
<a href="projectView.php">Project View</a><br>
</body>
</html>
```

### **Computer.html**

```
<html>
<body>
<h2><font color="black"> More about company details</font></h2>
<a href="deptView1.php"><font color="red">Department View</font></a><br>
<a href="empView1.php"><font color="red">Employee View</font></a><br>
<a href="projectView1.php"><font color="red">Project View</font></a><br>
</body>
</html>
```

### **Deptview.php**

```
<html>
<body>
<h3><font color="red">Database Contents Are As Shown Below</font></h3>
<?php
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("select * from deptview");
?>
```

```
<table border=1>
<tr><td><font color="green">Department Information</font></td></tr>
<?php
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td></tr>";
}
?>
</table>
<?
<?
```

## **Empview.php**

```

<html>
<body>
<h2><font color="red">Database Contents are as Shown Below</font></h2>
<?php
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("select * from empview");
?>
<table border=1>
<tr><td><font color="blue">SSN </font></td><td><font color="blue">NO</font></td><td><font color="blue">NAME</font></td><td><font color="blue">ADDRESS</font></td><td><font color="blue">MOB</font></td></tr></font>
<?php
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td></tr>";
}
?>
</table>
//</body>
</html>

```

## Proview.php

```
<html>
<body >
<h2><font color="red">Database Contents are as Shown Below</font></h2>
<?php
$con=mysql_connect("localhost","root","");

```

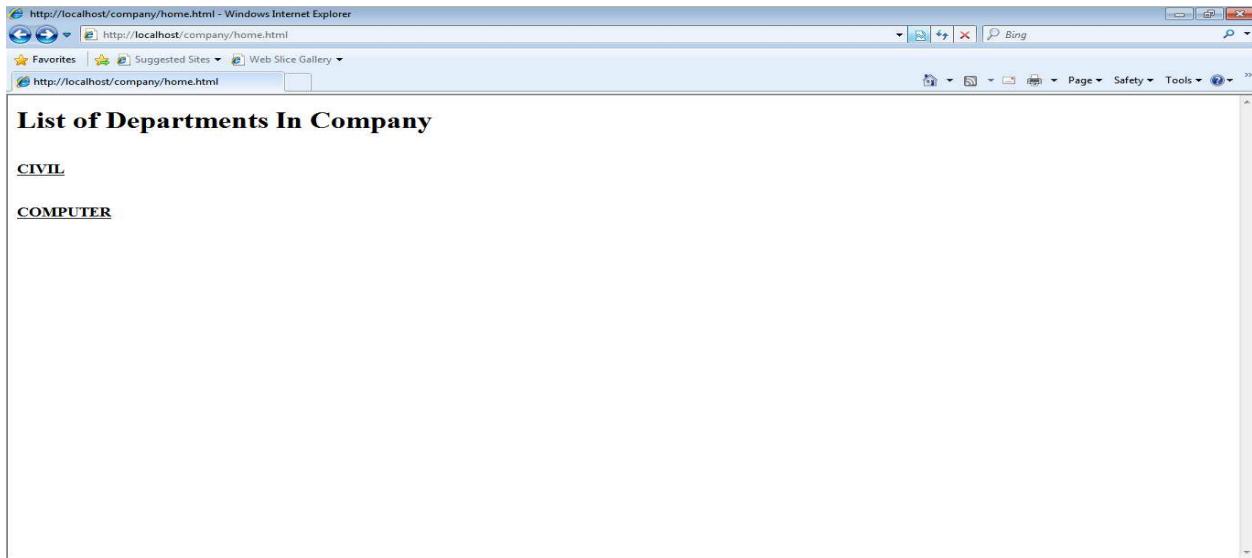
```
mysql_select_db("arch");
$res=mysql_query("select * from proview");
?>
<table border=1>
<tr><td><font color="blue">Project Title</td><td><font color="blue">NO of employee</td><td><font color="blue">duration</td></tr>
<?php
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";

print "<td>$a[2]</td></tr>";
}
?>
</table>
```

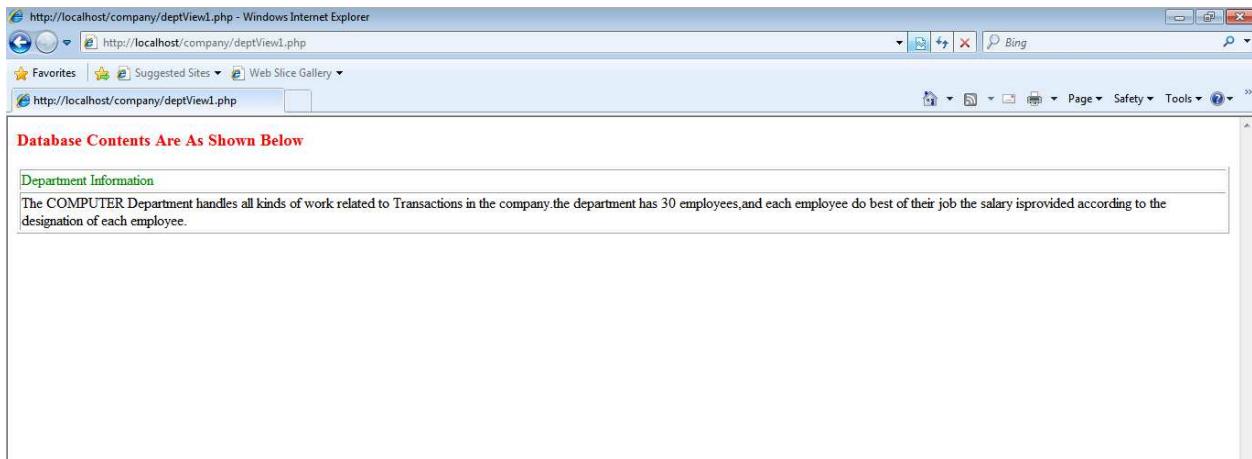
# Web Programming Lab

---

## Output: 01



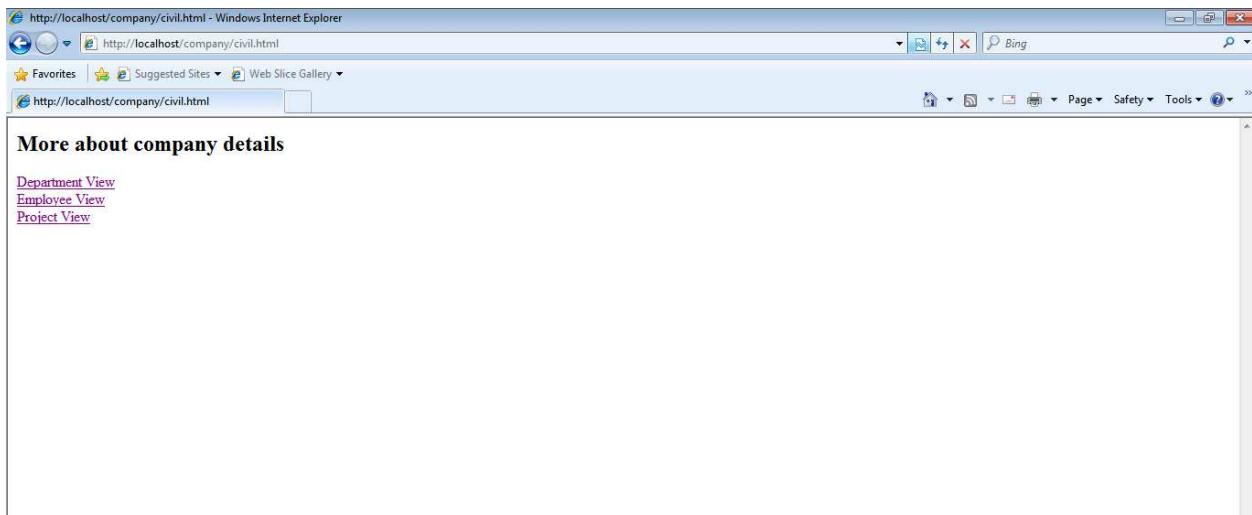
## Output: 02



## Web Programming Lab

---

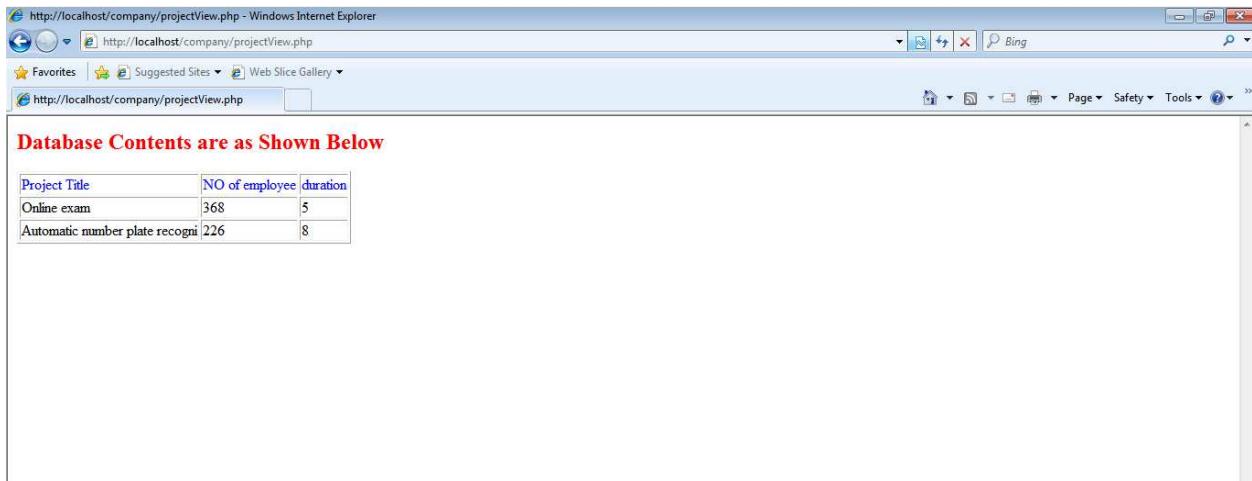
### Output: 03



### Output: 04

SSN NO	NAME	ADDRESS	MOB
111	Varsha	Belgaum	9863215470
222	Shravani	Banglore	9658741230
333	Shivam	Banglore	9874563210
444	Abhilasha	Belgaum	9873625410

## Output: 05



A screenshot of a Windows Internet Explorer window displaying a table of database contents. The title bar shows "http://localhost/company/projectView.php - Windows Internet Explorer". The address bar shows "http://localhost/company/projectView.php". The page content includes a heading "Database Contents are as Shown Below" and a table with three rows:

Project Title	NO of employee	duration
Online exam	368	5
Automatic number plate recogni	226	8

**Program No 13:** Implement the problem of finding employee names given their social security number as a Web application. Design two Web pages: 1. The first Web page would contain a HTML form that contains a select list of social security numbers of employees and a submit button. 2. Upon choosing a social security number and submitting the form in the first Web page produces the second Web page that lists the name of the employee.

### **Emfetch.html**

```
<html>
<body bgcolor="slateblue"><center>
<h2><b>Database contents are as shown below</b></h2><br>
<form action="emp.php">
<h1>Select the employee number</h1>
<select name="ssn">
<option value="">Select</option>
<option value="1">1</option>
<option value="2">2</option>
<option value="3">3</option>
<option value="4">4</option>
<option value="5">5</option>
<option value="6">6</option>
<option value="7">7</option>
</select>
<input type="submit" value="submit">
</form>
</center>
</body></html>
<html>
```

### **Empins.html**

```
<head><title>Employee details</title></head>
<body bgcolor="slateblue">
<form method="get" action="insert.php">
<center><b>Employee Database</b><br /><br />
SSN <input type="text" name="ssn" value=""><br /><br />
NAME <input type="text" name="name" value=""><br /><br />
EMAIL <input type="text" name="email" value=""><br /><br />
<input type="submit" name="submit" value="insert"><br />
<a href="empfetch.html">CLICK HERE TO GO PROCEED</a></center></body></html>
</form></center></body></html>
```

### **Emp.php**

```
<html>
<body bgcolor="slateblue"><center>
<h3><b>Employees details shown below</b></h3><br /><br />
```

```
</center>
<?php
$ssn=$_GET["ssn"];
$con=mysql_connect("localhost","root","");
mysql_select_db("edata");
$res1=mysql_query("select ssn,name,email from emp_info where ssn='$ssn'");
?>
<center>
<table border=1 bgcolor="pink">
<tr><td>SSN</td><td>Name</td><td>EMAIL</td></tr>
<?php
while($a=mysql_fetch_row($res1))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print"<td>$a[2]</td></tr>";
}
?>
</table><br><br>
<a href="empfetch.html">CLICK HERE TO GO HOME</a></center></body></html>
</center>
</body></html>
```

### **Ins.php**

```
<html><body bgcolor="slateblue"><center>
<b>DATABASE CONTENTS ARE SHOWN BELOW</b><br><br>
<?php
$ssn=$_GET["ssn"];
$name=$_GET["name"];
$email=$_GET["email"];
$con=mysql_connect("localhost","root","");
mysql_select_db("edata");
$res=mysql_query("insert into emp_info values('$ssn','$name','$email')");
?>
<center>
<table border=1 bgcolor="pink">
<tr><td>SSN</td><td>Name</td><td>EMAIL</td></tr>
<?php
$res1=mysql_query("select * from emp_info");
while($a=mysql_fetch_row($res1))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print"<td>$a[2]</td></tr>";
}
?>
```

## Web Programming Lab

---

```
</table><br><br>
<a href="empins.html">CLICK HERE TO GO HOME</a></center></body></html>
</center>
</body></html>
```

## Output:01

The screenshot shows a Windows Internet Explorer window with the title "Employee details - Windows Internet Explorer". The URL in the address bar is <http://localhost/13Pro/empins.html>. The page contains a form titled "Employee Database" with three input fields: "SSN" (containing "1"), "NAME" (containing "arch"), and "EMAIL" (containing "arc@gmail"). Below the form are two buttons: "insert" and a link "CLICK HERE TO GO PROCEED".

## Output:02

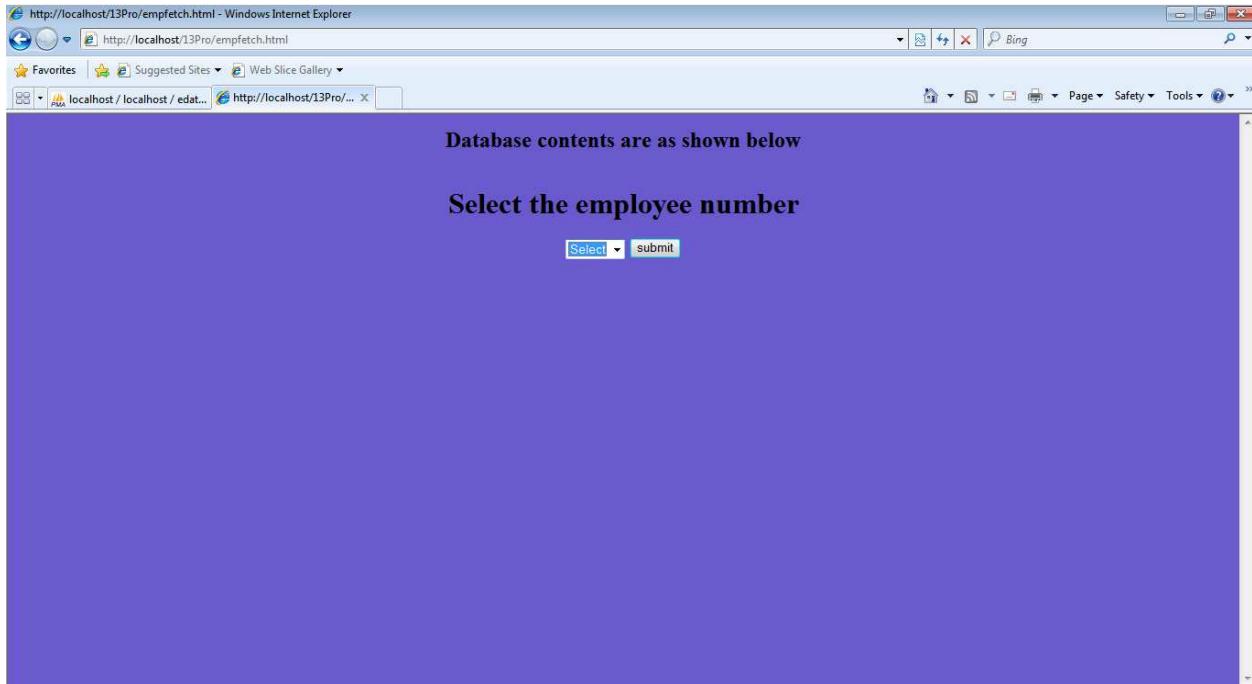
The screenshot shows a Windows Internet Explorer window with the title "http://localhost/13Pro/insert.php?ssn=6&name=shri&email=shri@gmail&submit=insert - Windows Internet Explorer". The URL in the address bar is <http://localhost/13Pro/insert.php?ssn=6&name=shri&email=shri@gmail&submit=insert>. The page displays a table titled "DATABASE CONTENTS ARE SHOWN BELOW" with six rows of data. A link "CLICK HERE TO GO HOME" is at the bottom.

SSN	Name	EMAIL
1	arch	arc@gmail
2	ankit	ankit@gmail
3	vishwa	vishwa@gmail
4	vani	vani@gmail
5	sanyam	sanyam@gmail
6	shri	shri@gmail

# Web Programming Lab

---

## Output:03



## Output:04



**Program No 14: Illustrate online address/contact book application using PHP and WampServer. The application should perform the following functions: (1) ADD a new contact. (2) DELETE one or more contacts. (3) SEARCH contacts by substring match on name. (4) LIST all contacts.**

### **Home.html**

```
<html>
<head>
<title>home</title>
</head>
<body bgcolor="pink">
<center>
<table border="1">
<tr>
<td><h1 style="background-color:red;"> SELECT THE FOLLOWING OPTION </h1></td>
</tr>
<tr>
<td><h3><a href="addcontact.php">ADD CONTACT</a></h3></td>
</tr>
<tr>
<td><h3><a href="deletecontact.php">DELETE CONTACT</a></h3></td>
</tr>
<tr>
<td><h3><a href="searchcontact.php">SEARCH CONTACT</a></h3></td>
</tr>
<tr>
<td><h3><a href="listcontact.php">LIST ALL CONTACT</a></h3></td>
</tr>
</table>
</center>
</body>
</html>
```

### **Addcontact.php**

```
<html>
<head>
<title> ADD CONTACT</title>
</head>
<body>
<form>
<center><B><h1>ADD CONTACT</h1></B><br><br><br>
<font color="slateblue">
<h2>
Sr.No:<input type="text" name="serial" value=""><br><br>
Name:<input type="text" name="name" value=""><br><br>
```

```
Colony:<input type="text" name="colony" value=""><br><br>
City :<input type="text" name="city" value=""><br><br>
Contact Number:<input type="tel" name="mob" value=""><br><br>
<input type="submit" value="submit"></center>
</h2>
</font>
</form>
</body>
</html>
<?php
mysql_connect("localhost","root","");
mysql_select_db("arch");
mysql_query("insert
into
contact(serial,name,colony,city,mob)values".$_GET['serial'].','".$_GET['name'].','".$_GET['
colony'].','".$_GET['city'].','".$_GET['mob']."'");

?>
```

### Deletecontact.php

```
<html>
<head>
<title> serarch page</title>
</head>
<body>
<form>
<center><b><font color="RED" size="5">ENTER THE NAME TO BE
DELETE</b></font><br>
<b><font color="blue"> Contact name</font></b><input type="text" name="name"><br><br>
<input type="submit" value="DELETE">
</form>
</body>
</html>
database contents are as shown below
<?php
$cname=$_GET["name"];
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("delete from contact where name='$cname'");
?>
<table border=1>
<tr><td>Sr.No</td><td>Name</td><td>Colony</td><td>city</td><td>Contact
Number</td></tr>
<?php
$res=mysql_query("select * from contact");
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
```

```
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td>";
print "<td>$a[4]</td></tr>";
}
?>
</table>
```

### Searchcontact.php

```
<html>
<head>
<title> serarch page</title>
</head>
<body>
<form>
<center><b><font color="RED" size="5">ENTER THE TITLE TO BE
SEARCH</b></font><br>
<b><font color="blue"> Contact name</font></b><input type="text" name="name"><br><br>
<input type="submit" value="SEARCH">
</form>
</body>
</html>
```

database contents are as shown below

```
<?php
$cname=$_GET["name"];
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("select * from contact where name='$cname'");
?>
<table border=1>
<tr><td>Sr.No.</td><td>Name</td><td>Colony</td><td>City</td><td>Contact
Number</td></tr>
<?php
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td>";
print "<td>$a[4]</td></tr>";
}
?>
</table>
```

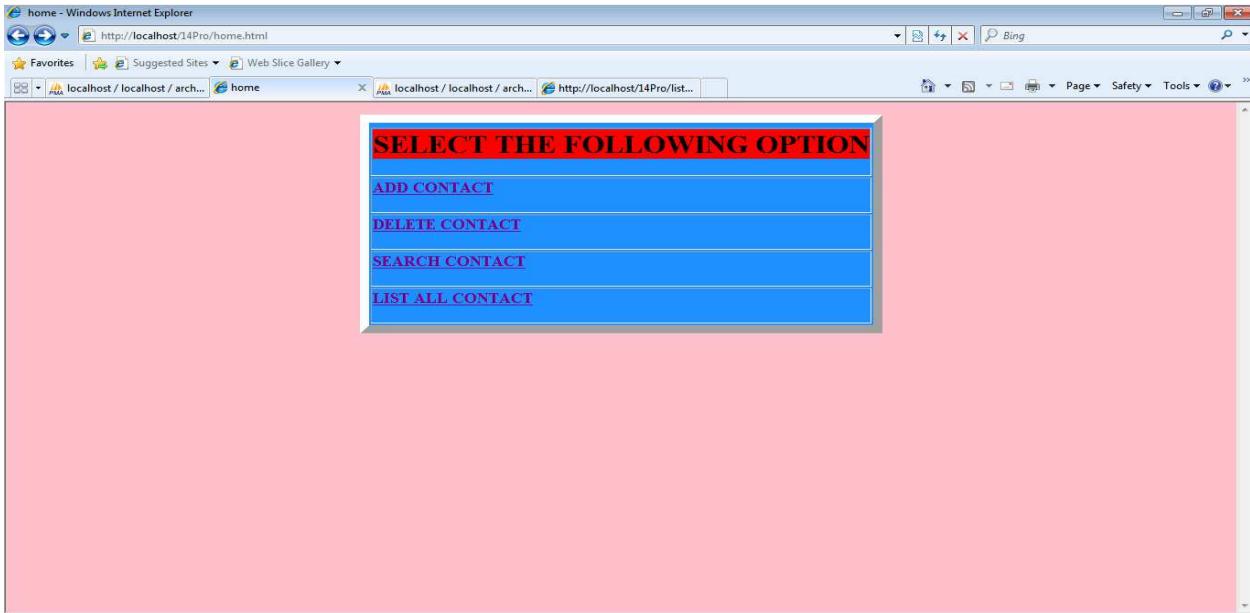
### Listcontact.php

```
<html>
<body bgcolor="violet">
<h1><font color="blue">database contents are as shown below</font></h1>
</body>
</html>
<?php
$con=mysql_connect("localhost","root","");
mysql_select_db("arch");
$res=mysql_query("select * from contact");
?>
<table border=1>
<tr><td>Sr.No.</td><td>Name</td><td>Colony</td><td>City</td><td>Contact
Number</td></tr>
<?php
while($a=mysql_fetch_row($res))
{
print"<tr><td>$a[0]</td>";
print"<td>$a[1]</td>";
print "<td>$a[2]</td>";
print "<td>$a[3]</td>";
print "<td>$a[4]</td></tr>";
}
?>
</table>
```

# Web Programming Lab

---

## Output:01



## Output:02

A screenshot of a Windows Internet Explorer browser window. The title bar says "ADD CONTACT - Windows Internet Explorer" and the address bar shows "http://localhost/14Pro/addcontact.php?serial=3333&name=Shravani&colony=Basavnagr&city=Mangalore&mob=9258741360". The main content area has a heading "ADD CONTACT" in bold black text. Below it are five input fields with labels: "Sr.No:" followed by a text input containing "44444", "Name:" followed by a text input containing "Bhargavi", "Colony:" followed by a text input containing "Azamnagar", "City :" followed by a text input containing "Dharawad", and "Contact Number:" followed by a text input containing "9468723514". At the bottom center is a blue "submit" button.

## Web Programming Lab

### Output:03

The screenshot shows a Windows Internet Explorer window with the URL <http://localhost/14Pro/listcontact.php>. The title bar says "database contents are as shown below". Below the title is a table with the following data:

Sr.No.	Name	Colony	City	Contact Number
1111	Ankit	shrinagar	belgaum	9665874163
2222	Viraj	Sadashivnagar	Banglore	9874563241
33333	Shravani	Basavnagar	Manglore	9258741360
44444	Bhargavi	Azamnagar	Dharawad	9468723514

### Output:04

The screenshot shows a Windows Internet Explorer window with the URL <http://localhost/14Pro/deletecontact.php?name=Viraj>. The title bar says "ENTER THE NAME TO BE DELETE". Below the title is a text input field containing "Contact name viraj" and a "DELETE" button. Above the "DELETE" button is the text "database contents are as shown below". Below this text is a table with the same data as Output 03:

Sr.No.	Name	Colony	city	Contact Number
1111	Ankit	shrinagar	belgaum	9665874163
33333	Shravani	Basavnagar	Manglore	9258741360
44444	Bhargavi	Azamnagar	Dharawad	9468723514

# Web Programming Lab

## Output:05

The screenshot shows a Windows Internet Explorer window with the title "search page - Windows Internet Explorer". The URL in the address bar is <http://localhost:14Pro/searchcontact.php?name=Ankit>. The page contains a red header "ENTER THE TITLE TO BE SEARCH". Below it is a search input field with the value "Contact name Ankit" and a blue "SEARCH" button. A message "database contents are as shown below" is displayed above a table. The table has columns: Sr.No., Name, Colony, City, and Contact Number. One row is present: Sr.No. 1111, Name Ankit, Colony shrinagar, City belgaum, Contact Number 9665874163.

## Output:06

The screenshot shows the phpMyAdmin interface for a database named "arch". The current table is "contact". The SQL query at the top is: `SELECT * FROM `contact` LIMIT 0 , 30`. The results table shows the following data:

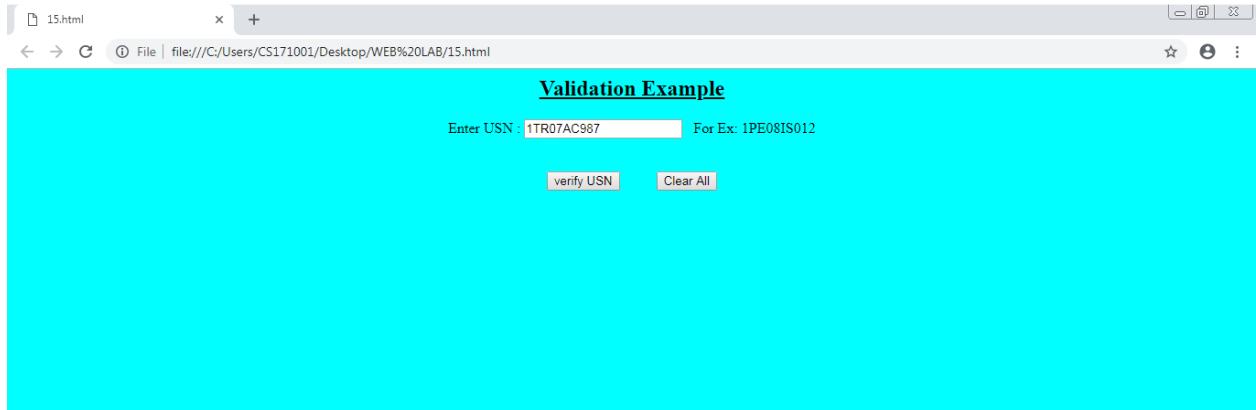
	serial	name	colony	city	mob
1	1111	Ankit	shrinagar	belgaum	9665874163
2	2222	Viral	Sadashivnagar	Banglore	9874563241
3	3333	Shravani	Basavnagar	Manglore	9258741360
4	4444	Bhargavi	Azamnagar	Dharawad	9468723514

**Program No 15:** 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.

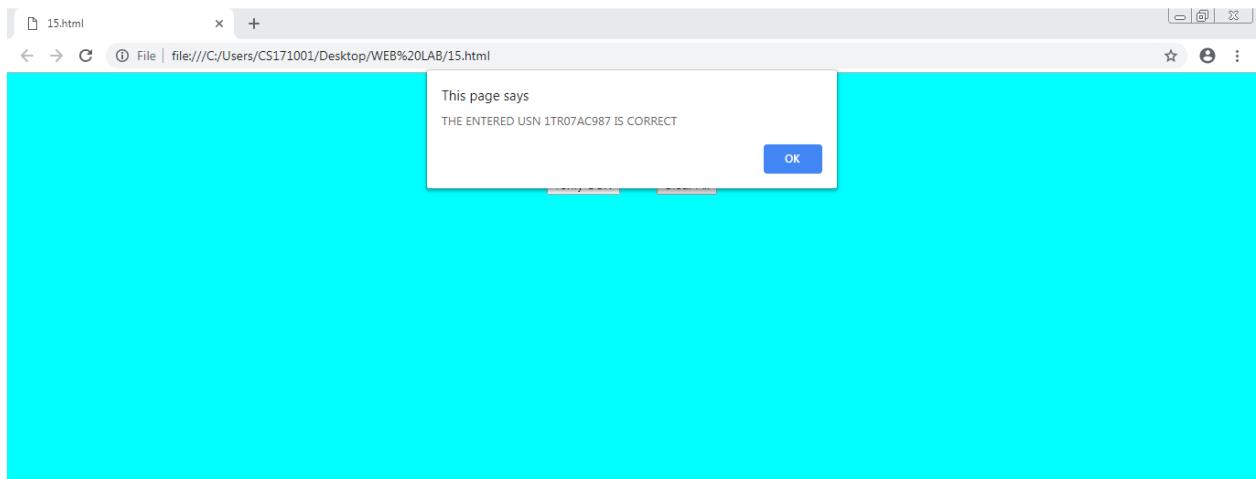
# Web Programming Lab

---

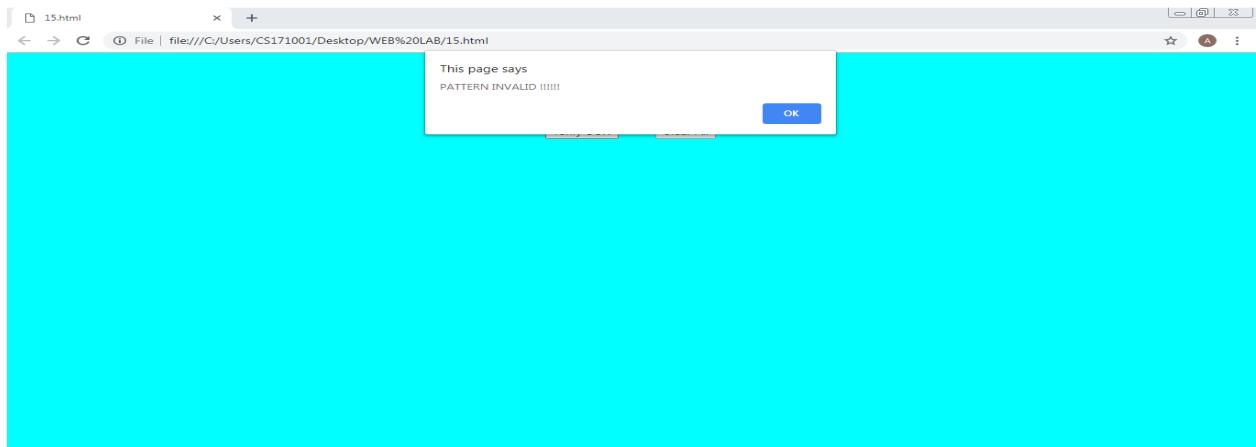
## Output:01



## Output:02



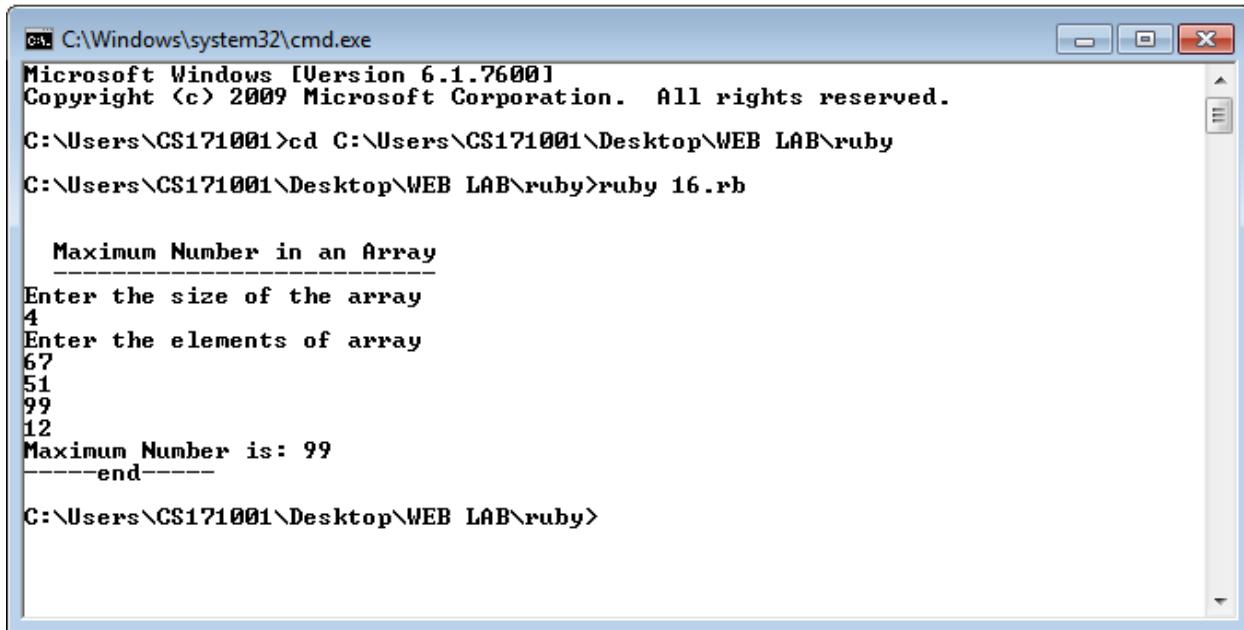
## Output:03



### **Program No 16:Write a ruby program to find maximum element in an array.**

```
puts "\n\n\$Maximum Number in an Array"
puts "\$-----"
puts "Enter the size of the array"
n=gets.to_i
a=Array.new(n)
puts "Enter the elements of array"
for i in 1..n
  a[i]=gets.to_i
end
j=1
for i in (j+1)..n
  if a[j]<a[i]
    a[j]=a[i]
  end
end
puts "Maximum Number is: #{a[1]}"
puts "----end----"
```

### Output:01



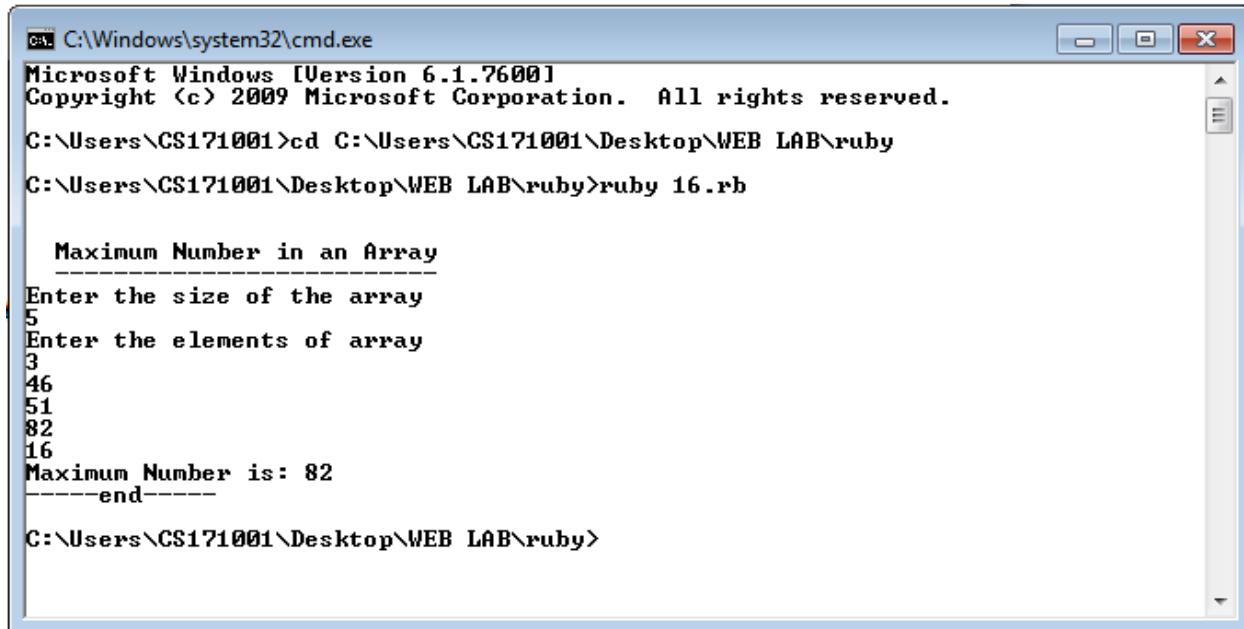
```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\CS171001>cd C:\Users\CS171001\Desktop\WEB LAB\ruby
C:\Users\CS171001\Desktop\WEB LAB\ruby>ruby 16.rb

Maximum Number in an Array
-----
Enter the size of the array
4
Enter the elements of array
67
51
99
12
Maximum Number is: 99
-----end-----

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

### Output:02



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\CS171001>cd C:\Users\CS171001\Desktop\WEB LAB\ruby
C:\Users\CS171001\Desktop\WEB LAB\ruby>ruby 16.rb

Maximum Number in an Array
-----
Enter the size of the array
5
Enter the elements of array
3
46
51
82
16
Maximum Number is: 82
-----end-----

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

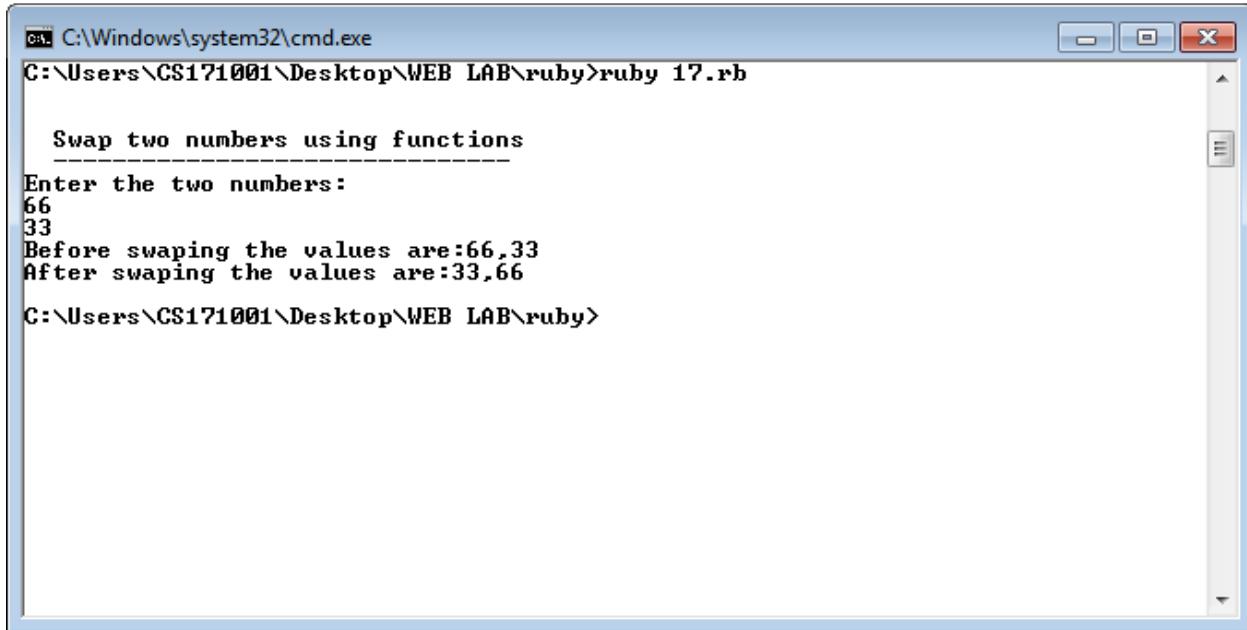
### **Program No 17:Write a ruby program to swap two numbers using function**

```
puts "\n\n\$Swap two numbers using functions"
puts "\$-----"

#=begin
class Swapfun
=begin
  def read
    puts "Enter two numbers:"
    @a=gets.to_i
    @b=gets.to_i
    puts "Before swaping the values are:#{@a},#{@b}"
  end
=end
  def swap(a,b)
    @a=a;@b=b
    t=@a
    @a=@b
    @b=t
    #puts "#{@a},#{@b}"
  end
  def show()
    puts "After swaping the values are:#{@a},#{@b}"
  end
end

obj1=Swapfun.new
puts "Enter the two numbers:"
a=gets.to_i
b=gets.to_i
puts "Before swaping the values are:#{a},#{b}"
obj1.swap(a,b)
obj1.show()
```

### Output:01

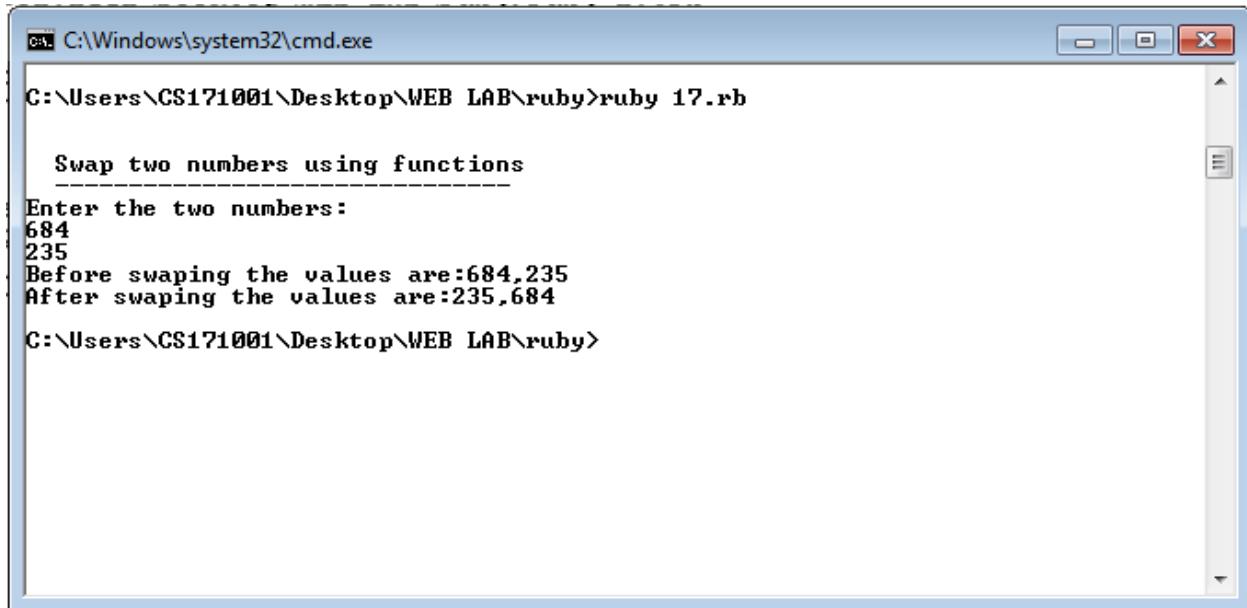


```
C:\Windows\system32\cmd.exe
C:\Users\CS171001\Desktop\WEB LAB\ruby>ruby 17.rb

Swap two numbers using functions
-----
Enter the two numbers:
66
33
Before swaping the values are:66,33
After swaping the values are:33,66

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

### Output:02



```
C:\Windows\system32\cmd.exe
C:\Users\CS171001\Desktop\WEB LAB\ruby>ruby 17.rb

Swap two numbers using functions
-----
Enter the two numbers:
684
235
Before swaping the values are:684,235
After swaping the values are:235,684

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

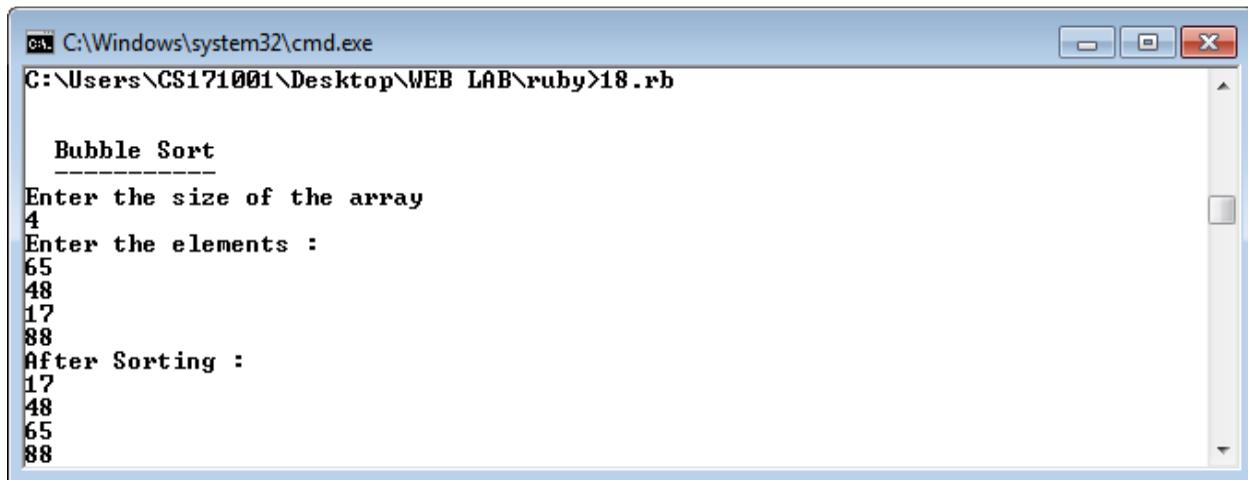
### **Program No 18:Write a ruby program to sort n elements using bubble sort.**

```
puts "\n\n\sBubble Sort"
puts "\s-----"
puts "Enter the size of the array"
n=gets.to_i
a=Array.new(n)
puts "Enter the elements :"
for i in 0...n
    a[i]=gets.to_i
end

#Bubble sort Algorithm
t=0
for i in 0...n
    for j in 0...(n-(i+1))
        if (a[j] > a[j+1])
            t=a[j]
            a[j]=a[j+1]
            a[j+1]=t
        end
    end
end

puts "After Sorting :"
for i in 0..n
    puts "#{a[i]}"
end
```

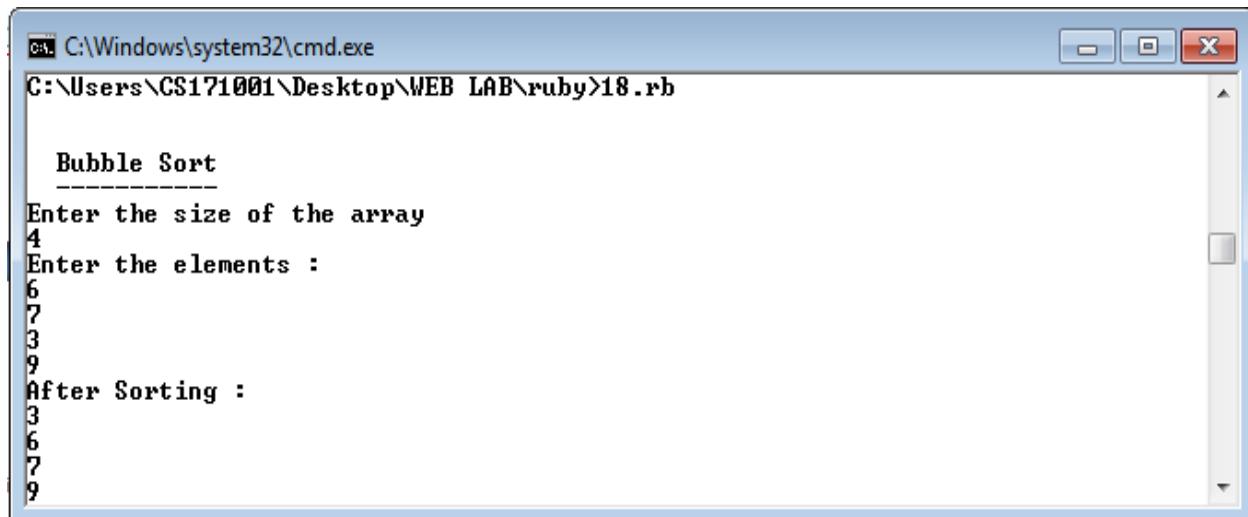
### Output:01



```
C:\Windows\system32\cmd.exe
C:\Users\CS171001\Desktop\WEB LAB\ruby>18.rb

Bubble Sort
-----
Enter the size of the array
4
Enter the elements :
65
48
17
88
After Sorting :
17
48
65
88
```

### Output:02



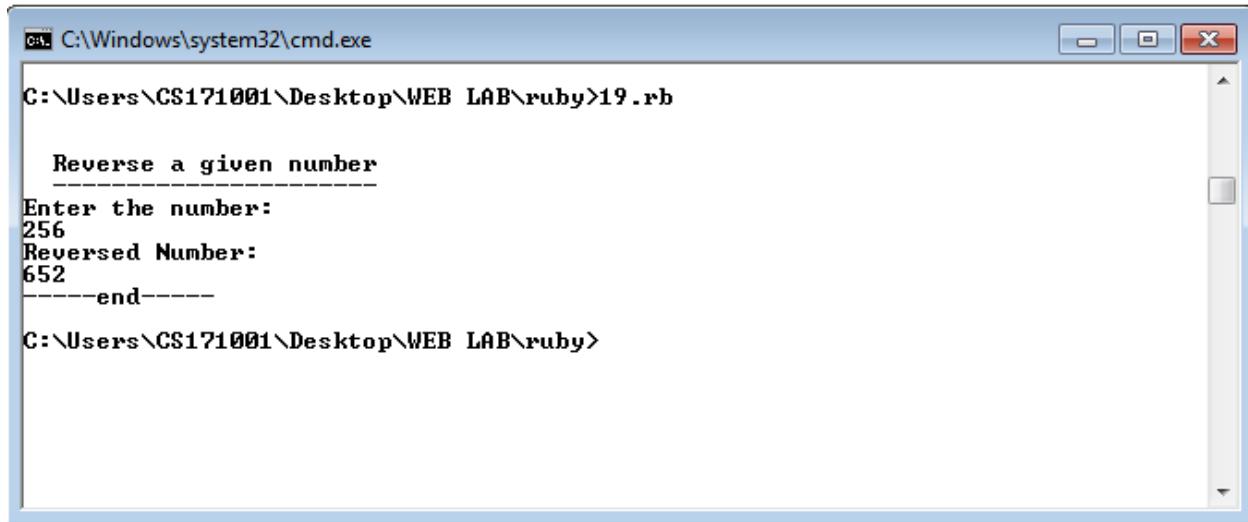
```
C:\Windows\system32\cmd.exe
C:\Users\CS171001\Desktop\WEB LAB\ruby>18.rb

Bubble Sort
-----
Enter the size of the array
4
Enter the elements :
6
7
3
9
After Sorting :
3
6
7
9
```

### **Program No 19:Implement a ruby program to reverse a given integer.**

```
puts "\n\n\$Reverse a given number"
puts "\$-----"
puts "Enter the number:"
n=gets.to_i
a=Array.new
i=0
rev=0
puts "Reversed Number:"
begin
mod=n%10
a[i]=mod
rev=rev*10+mod
n=n/10
end while (n > 0)
puts "#{rev}"
puts "----end----"
```

### Output:01

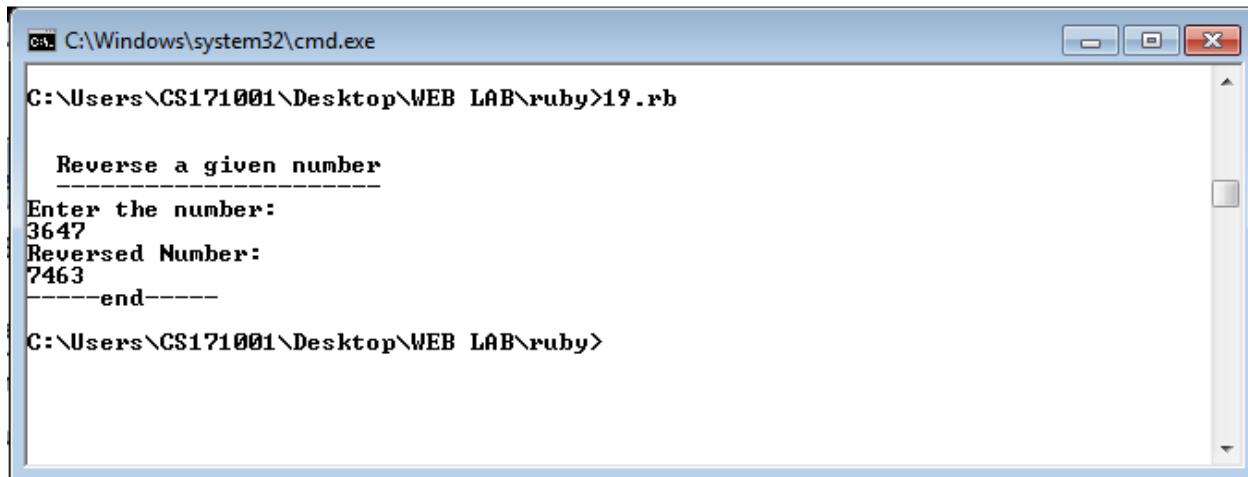


```
C:\Windows\system32\cmd.exe
C:\Users\CS171001\Desktop\WEB LAB\ruby>19.rb

Reverse a given number
-----
Enter the number:
256
Reversed Number:
652
-----end-----

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

### Output:02



```
C:\Windows\system32\cmd.exe
C:\Users\CS171001\Desktop\WEB LAB\ruby>19.rb

Reverse a given number
-----
Enter the number:
3647
Reversed Number:
7463
-----end-----

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

### **Program No 20:Implement the concept of method overriding in Ruby.**

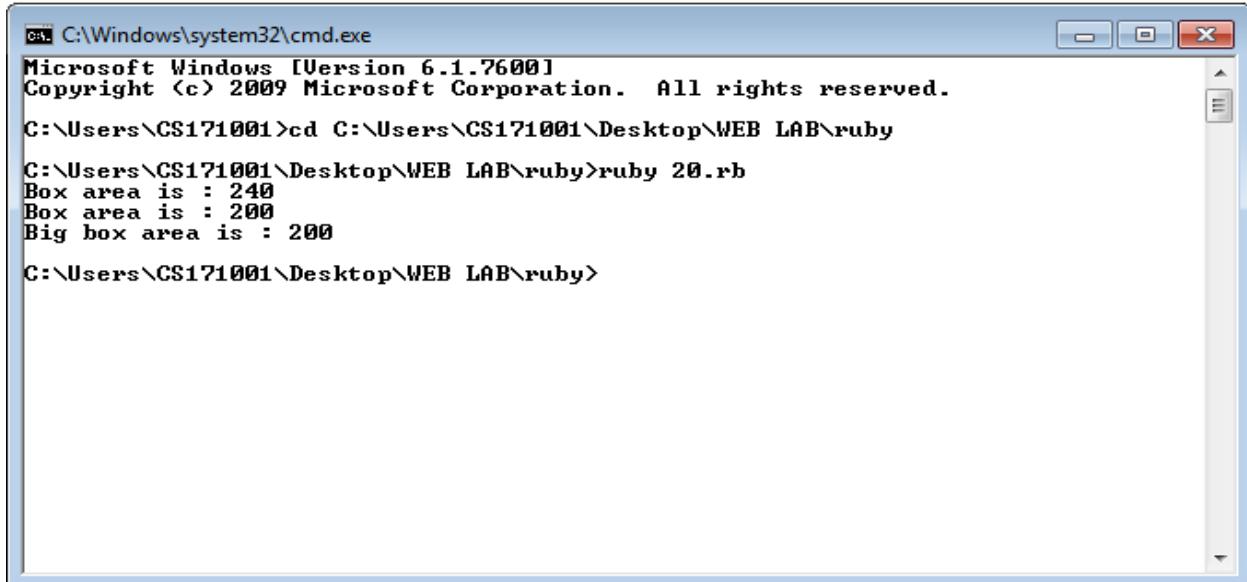
```
# define a class
class Box
    # constructor method
    def initialize(w,h)
        @width, @height = w, h
    end
    # instance method
    def getArea
        puts "Box area is :#{@width * @height}"
    end
end

# define a subclass
class BigBox < Box

    # change existing getArea method as follows
    def getArea
        super
        @area = @width * @height
        puts "Big box area is :#{@area}"
    end
end

# create an object
box = BigBox.new(10, 20)
box1= Box.new(20,12)
box1.getArea()
# print the area using overriden method.
box.getArea()
```

### Output:01

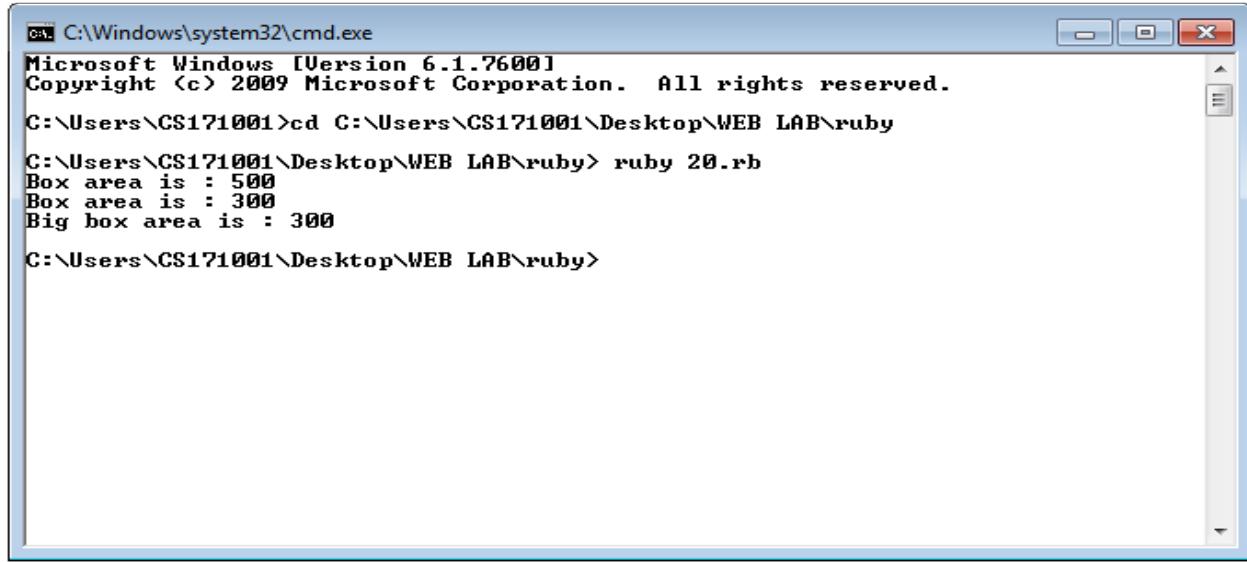


```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\CS171001>cd C:\Users\CS171001\Desktop\WEB LAB\ruby
C:\Users\CS171001\Desktop\WEB LAB\ruby>ruby 20.rb
Box area is : 240
Box area is : 200
Big box area is : 200

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```

### Output:02



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright <c> 2009 Microsoft Corporation. All rights reserved.

C:\Users\CS171001>cd C:\Users\CS171001\Desktop\WEB LAB\ruby
C:\Users\CS171001\Desktop\WEB LAB\ruby> ruby 20.rb
Box area is : 500
Box area is : 300
Big box area is : 300

C:\Users\CS171001\Desktop\WEB LAB\ruby>
```