Program 1:

```
<!doctype html>

<html>

<head>

<title>student details</title>

</head>

<body>

<center>

<a onmouseover="this.style.color='green';this.style.font='20pt arial';">

Zaid </a><br>456CS19037</br>

<a onmouseover="this.style.color='blue';this.style.font='18pt arial';">5th sem "cs"</a><br>Web programming lab

<a onmouseover="this.style.color='pruple';this.style.font='18pt arial';"><br>vidya vikas polytechnic</a>

</center>

</body>

</html>
```

Program 2:

```
<html>

  <head>

    <title>Stacking Paragraphs</title>

    <style type ="text/css">

      .para1

      {

        border:solid thick #c0c0c0;

        padding:1 in; width:180px;

        background-color:#0000D0;

        color:white;

        position:absolute;

        top:90px;
```

```css
    left:4 in;

    z-index:1;

}

.para2

{

    border:solid thick #808000;

    padding:1 in;

    width:180px;

    background-color:red;

    color:white;

    position:absolute;

    top:105px;

    z-index:2;

}

.para3

{

    border:solid thick #00ffff;

    padding:1 in; width:180px;

    background-color:green;

    color:white;

    position:absolute;

    top:140px;

    left:6in;

    z-index:3;

}

.display

{

font-size:25pt;

color:blue;

text-align:center;
```

```
        }
        p:hover
        {
            background-color: rgb(250, 200, 150);
            font-size: 25px;
            color: white;
        };
    </style>
    <script type="text/javascript">
        function move(curstack)
        {
            var oldstack=document.getElementById(stack1).style;
            oldstack.z-index="0";
            var newstack=document.getElementById(curstack).style;
            newstack.z-index="10";
            stack1+document.getElementById(curstack).id;
        }
    </script>
</head>
<body>
    <h2 class="display">Stacking of Paragraphs on top of each other</h2>
    <p class="para1" id="stack1" onmouseover="move('stack1')">hi,good morning</p>
    <p class="para2" id="stack2" onmouseover="move('stack2')"></p>
    <p class="para3" id="stack3" onmouseover="move('stack3')"></p>
</body>
</html>
```

Program 3

Prog3.Xml

```
<?xml version="1.0" encoding="ISO-8859-1"?>
```

```xml
<?xml-stylesheet type="text/css" href="prog3.css"?>
<Patients>
<Patient>
<name>
<firstname>ABC</firstname>
<middlename>CCC</middlename>
<lastname>zzz</lastname>
</name>
<SSN>21</SSN>
<Age>20</Age>
<Roomno>001</Roomno>
<Primary_Insurance_Company><Member ID="21"></Member>
<group no="M1"></group>
<address>Mysore</address>
<Secondary_Insurance_Company>MMM</Secondary_Insurance_Company>
<medical_Problems>Diabetis</medical_Problems>
<drug_allergy>Paracetamol</drug_allergy>
</Primary_Insurance_Company>
</Patient>

<Patient>
<name>
<firstname>DDD</firstname>
<middlename>OOOO</middlename>
<lastname>PPPP</lastname>
</name>
<SSN>23</SSN>
<Age>20</Age>
<Roomno>002</Roomno>
<Primary_Insurance_Company><Member ID="23"></Member>
```

```xml
<group no="M9"></group>
<address>Tumkuru</address>
<Secondary_Insurance_Company>FGRGH</Secondary_Insurance_Company>
<medical_Problems>Fever</medical_Problems>
<drug_allergy>Paracetamol</drug_allergy>
</Primary_Insurance_Company>
</Patient>

<Patient>
<name>
<firstname>PPP</firstname>
<middlename>RRR</middlename>
<lastname>TTT</lastname>
</name>
<SSN>24</SSN>
<Age>42</Age>
<Roomno>003</Roomno>
<Primary_Insurance_Company><Member ID="24"></Member>
<group no="M3"></group>
<address>Hubli</address>
<Secondary_Insurance_Company>HHHJK</Secondary_Insurance_Company>
<medical_Problems>Low BP</medical_Problems>
<drug_allergy>Parac-ppp</drug_allergy>
</Primary_Insurance_Company>
</Patient>

<Patient>
<name>
<firstname>GGG</firstname>
<middlename>HHH</middlename>
```

```xml
<lastname>NNN</lastname>
</name>
<SSN>25</SSN>
<Age>32</Age>
<Roomno>002</Roomno>
<Primary_Insurance_Company><Member ID="25"></Member>
<group no="M4"></group>
<address>Banglore</address>
<Secondary_Insurance_Company>FGHJ</Secondary_Insurance_Company>
<medical_Problems>BP</medical_Problems>
<drug_allergy>Parace-ole</drug_allergy>
</Primary_Insurance_Company>
</Patient>
</Patients>
```

Prog3.css

```css
Patient
{
        font-family:arial;
        color:red;
        font-size:16pt;
}
name
{
        display:block;
        font-family:times new roman;
        font-size:16pt;
}
firstname,middlename,lastname
{
        font-family:arial;
```

```
        color:green;

        font-size:14pt;

}

SSN,Age,Roomno

{

        display:block;

        font-family:arial;

        color:blue;

        font-size:13pt;

}

Primary_Insurance_Company,Member,group,address

{

        display:block;

        font-family:arial;

        color:yellow;

        font-size:16pt;

}

Secondary_Insurance_Company,medical_Problems,drug_allergy

{

        display:block;

        font-family:arial;

        color:pink;

        font-size10pt;

}
```

Program 4:

Prog4.xml

```
<?xml version="1.0" encoding="ISO-8859-1"?>

<?xml-stylesheet type="text/xsl" href="prog4.xsl"?>

<Patients>

<Patient>
```

```xml
<name>
<firstname>ABC</firstname>
<middlename>CCC</middlename>
<lastname>zzz</lastname>
</name>
<SSN>21</SSN>
<Age>20</Age>
<Roomno>001</Roomno>
<Primary_Insurance_Company><Member ID="21"></Member>
<group no="M1"></group>
<address>Mysore</address>
<Secondary_Insurance_Company>MMM</Secondary_Insurance_Company>
<medical_Problems>Diabetis</medical_Problems>
<drug_allergy>Paracetamol</drug_allergy>
</Primary_Insurance_Company>
</Patient>

<Patient>
<name>
<firstname>DDD</firstname>
<middlename>OOOO</middlename>
<lastname>PPPP</lastname>
</name>
<SSN>23</SSN>
<Age>20</Age>
<Roomno>002</Roomno>
<Primary_Insurance_Company><Member ID="23"></Member>
<group no="M9"></group>
<address>Tumkuru</address>
<Secondary_Insurance_Company>FGRGH</Secondary_Insurance_Company>
```

```xml
<medical_Problems>Fever</medical_Problems>
<drug_allergy>Paracetamol</drug_allergy>
</Primary_Insurance_Company>
</Patient>

<Patient>
<name>
<firstname>PPP</firstname>
<middlename>RRR</middlename>
<lastname>TTT</lastname>
</name>
<SSN>24</SSN>
<Age>42</Age>
<Roomno>003</Roomno>
<Primary_Insurance_Company><Member ID="24"></Member>
<group no="M3"></group>
<address>Hubli</address>
<Secondary_Insurance_Company>HHHJK</Secondary_Insurance_Company>
<medical_Problems>Low BP</medical_Problems>
<drug_allergy>Parac-ppp</drug_allergy>
</Primary_Insurance_Company>
</Patient>

<Patient>
<name>
<firstname>GGG</firstname>
<middlename>HHH</middlename>
<lastname>NNN</lastname>
</name>
<SSN>25</SSN>
```

```
<Age>32</Age>

<Roomno>002</Roomno>

<Primary_Insurance_Company><Member ID="25"></Member>

<group no="M4"></group>

<address>Banglore</address>

<Secondary_Insurance_Company>FGHJ</Secondary_Insurance_Company>

<medical_Problems>BP</medical_Problems>

<drug_allergy>Parace-ole</drug_allergy>

</Primary_Insurance_Company>

</Patient>

</Patients>

Prog4.xsl

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

<xsl:template match="/">

<html>

<head>hello</head>

<body>

<center>

<h2>Patients Information</h2>

<table border="1">

<tr bgcolor="red">

<th>name</th>

<th>SSN</th>

<th>Age</th>

<th>Roomno</th>

<th>address</th>

<th>medical_Problems</th>

<th>drug_allergy</th>

</tr>

<xsl:for-each select="Patients/Patient">
```

```xml
<tr bgcolor="yellow">

<td><xsl:value-of select="name/lastname"/>

</td>

<td><xsl:value-of select="SSN"/>

</td>

<td><xsl:value-of select="Age"/>

</td>

<td><xsl:value-of select="Roomno"/>

</td>

<td><xsl:value-of select="Primary_Insurance_Company/address"/>

</td>

<td><xsl:value-of select="Primary_Insurance_Company/medical_Problems"/>

</td>

<td><xsl:value-of select="Primary_Insurance_Company/drug_allergy"/>

</td>

</tr>

</xsl:for-each>

</table>

</center>

</body>

</html>

</xsl:template>

</xsl:stylesheet>
```

5. Write an XHTML document to include an anchor tag, that calls a PHP document also write the called PHP document which returns a randomly chosen greeting from a list of five different greetings. The greetings must be stored as constant strings in the script. A random number between 0 and 4 can be computed with these line. #set the seed for mtrand with the

number of microseconds #since the last full second of the clock mt_strand((double) microtime() * 1000000); $number=mtrand(0,4); #computes a random integer 0-4

Program5.html

<html>

<head>....</head>

click here to invoke php document

</body>

</html>

Prg5.php

```php
<?php
$str1="good morning";
$str2="have a nice day";
$str3="nice to meet u";
$str4="get well soon";
$str5="good bye";
function make_seed()
{
list($usec,$sec)=explode(' ',microtime());
return(double)$sec+((double)$usec*1000000);
}
mt_srand(make_seed());
$number=mt_rand(0,4);
if($number==0)
print $str1;
else if($number==1)
print $str2;
else if($number==2)
print $str3;
else if($number==3)
```

```php
print $str4;

else

print $str5;

?>
```

6. Write the XHTML code using JavaScript Object Notation (JSON) to create the form with the following capabilities a) A text widget to collect the users name b) Four check boxes, one each for the following items i) Four 100 watt light bulbs for Rs. 20=39 ii) Eight 100 watt light bulbs for Rs 40=20 iii) Four 100 watt long life light bulbs for Rs. 30=95 iv) Eight 100 watt long life light bulbs for Rs 70=49 c) A collection of 3 radio buttons that are labeled as follows i) Visa ii) Master Card iii) Discover Write a PHP script that computes the total cost of the ordered light bulbs for the above program after adding 13.5% VAT. The program must inform the buyer of exactly what was ordered in table.

Program6.php

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

<html>

<head>

<title> Program 13 </title>

</head>


<body>

<form action="http://localhost/Program6.php" method="POST">

<h2>Welcome to Smart Bulb Sales</h2>

<table>

<tr><td><b>Buyers Name:<b></td>

<td><input type="text" name="name" size="30"/></td>

</tr>

</table>

<p1>

<table border="border">

<tr>

<th>Product</th>

<th>Select</th>
```

```html
</tr>
<tr>
<td>Four 100 watt light bulbs for Rs.20</td>
<td align="center">
<input type="checkbox" name="items[]" value="one"/></td>
</tr>

<tr>
<td>Eight 100 watt light bulbs for Rs.40</td>
<td align="center">
<input type="checkbox" name="items[]" value="two"/></td>
</tr>

<tr>
<td>Four 100 watt long life light bulbs for Rs.30</td>
<td align="center">
<input type="checkbox" name="items[]" value="three"/></td>
</tr>

<tr>
<td>Eight 100 watt long life light bulbs for Rs.70</td>
<td align="center">
<input type="checkbox" name="items[]" value="four"/></td>
</tr>
</table>

<p1>
<h3>Payment Method</h3>
<p>
<input type="radio" name="payment" value="Visa" checked="checked"/> Visa<br/>
```

```html
<input type="radio" name="payment" value="Master card"/> Master card<br/>

<input type="radio" name="payment" value="Discover"/> Discover<br/>

<br/>

<input type="submit" value="Submit order"/>

<input type="reset" value="Clear order form"/>

</p>

</form>

</body>

</html>
```

Program6.php

```php
<html>

<body>

<?php

$cname=$_POST["name"];

$items=$_POST["items"];

$payment=$_POST["payment"];

$itemnames[0]="Four 100 watt light bulbs for Rs.20";

$itemnames[1]="Eight 100 watt light bulbs for Rs.40";

$itemnames[2]="Four 100 watt long life light bulbs for Rs.30";

$itemnames[3]="Eight 100 watt long life light bulbs for Rs.70";

$i=0;

$item1=" ";

$item2=" ";

$item3=" ";

$item4=" ";

$totalSum=0; foreach($items as $item)

{

if($item=="one")

{

$item1=$itemnames[0];
```

```php
$totalSum+=20;

}

if($item=="two")

{

$item2=$itemnames[1];

$totalSum+=40;

}

if($item=="three")

{

$item3=$itemnames[2];

$totalSum+=30;

}

if($item=="four")

{

$item4=$itemnames[3];

$totalSum+=70;

}

}

print"<br/><h1>The items are ordered by $cname and the bill details including vat 13.5 is shown below:</h1><br/>";

if($item1!=" ")

{

print"$item1 &nbsp &nbsp &nbsp &nbsp &nbsp &nbsp =20Rs<br/>";

}

if($item2!=" ")

{

print"$item2 &nbsp &nbsp &nbsp &nbsp &nbsp &nbsp =40Rs<br/>";

}

if($item3!=" ")
```

```
{
print"$item3 &nbsp =30Rs<br/>";
}
if($item4!=" ")
{
print"$item4 &nbsp =70Rs<br/>";
}
print"<br/><b>Total amount=$totalSum</b>";
$vatTotal=($totalSum*0.135)+$totalSum; print"<br/><b>After adding vat=$vatTotal</b>";
print"<br/><b> Payment made in $payment<b>";
?>
</body>
</html>
```

7.Write a XHTML code to provide a form that collects names and telephone numbers. The phone numbers must be in the format ddd-ddd-dddd. Write a PHP script that checks the submitted telephone number to be sure that it confirms to the required format and then returns a response that indicates whether the number was correct.

Program 7.html

```
<html>
<head>
<title> Program 15</title>
</head>
<body>
<b>Enter the User Name and Phone No</b>
<form action="http://localhost/Program7.php" method="post">
<p><b>Name:</b>
<input type="text" name="uname"/>
</p>
<p><b>Phone No:</b>
<input type="text" name="phno"/>
<br/><br/>
```

```html
<input type="Submit" name=" "/>

<input type="Reset" name=" "/>

</p>

<p>

</p>

</form>

</body>

</html>
```

Program7.php

```php
<html>
<body>
<?php
$uname=$_POST['uname'];
$phno=$_POST['phno'];
$no=$phno;
echo"Welcome user <b>$uname</b><br/>"; if(preg_match("/\d{3}-\d{3}-\d{4}/",$phno))
{
echo"<b>$no</b> is in valid format";
echo"<a href=\"http://localhost/Program7.html\"> Click to enter again</a>";
}
else
{
echo"<b>$no</b> is in invalid format(nnn-nnn-nnnn)<br>";
echo"<a href=\"http://localhost/Program7.html\"> Click to enter again</a>";
}
?>
</body>
</html>
```

8. Write the XHTML code using JavaScript Object Notation (JSON) to accept from the user name, phone no, mail-id, stored in database. Retrieve same information from database using a separate PHP script.

Program8.html

```
<!DOCTYPE html>

<html>

<body>

<head>

<script type="text/javascript">

function save()

{

uname=document.getElementById("uname").value;

phone=document.getElementById("uphone").value;

email=document.getElementById("email").value;

var myObj = { "name" : ""+ uname +"", "phone":"" + phone + "", "email" : "" + email + "" };

myJSON = JSON.stringify(myObj);

window.location = "http://localhost/pgm8.php?x=" + myJSON;

}

</script>

</head>

<form>

<h3> Student Information </h3>

<h3> Name : <input type="text" id="uname" /> </h3>

<h3> Phone : <input type="text" id="uphone" /> </h3>

<h3> Email : <input type="text" id="email" /> </h3>

<input type="button" id="bt" value="submit" onclick="save();"/>

</form>

</body>

</html>
```

Prgm8.php

```php
<?php

$data = $_GET['x'];

$data_decode = json_decode($data);

$name = $data_decode->name;

$phone=$data_decode->phone;

$email= $data_decode->email;

echo "<br/> <h4> Information Entered </h4>";

echo "-----------------------------<br/>";

print "Name : ".$name."<br/>";

print "Phone : ".$phone."<br/>";

print "Email : ".$email."<br/>";

echo "-----------------------------<br/>";

// Create connection

$link = mysqli_connect("localhost", "root", "","test");

// Check connection

if (!$link)

 {

die("Connection failed: " . mysqli_connect_error());

}

mysqli_select_db($link, "test");

$query1 = "CREATE TABLE tb_text_book(uname varchar(15), phone varchar(30), email char(30))";

$result = mysqli_query($link,$query1);

if($result)

echo "(2) Query1 executed... <br/>";

else

echo "(2) Table not created : ".mysqli_error($link)."<br/>";

$query2 = "INSERT INTO tb_text_book VALUES('$name', '$phone', '$email')";

$res2 = mysqli_query($link,$query2);

if($res2)
```

```php
echo "(3) Values inserted in the table ... <br/>";

else

echo "(3) Query2 not executed: ".mysqli_error($link)."<br/>";

$query3 = "SELECT * FROM tb_text_book";

$res3 = mysqli_query($link,$query3);

echo "<br/> <h3> Table Contents Are </h3>";

print " <b> name | phone | email </b> <br/>";

$no =0;

while($row = mysqli_fetch_array($res3))

{

print "------------------------------<br/>";

$no += 1;

print "$no ) ".$row['uname']." | ";

print $row['phone']." | ";

print $row['email']." | ";

print "<br/>";

}

mysqli_close($link);

?>
```

PROGRAM 9

Write a servlet that returns a randomly chosen greeting from a list of five different greetings. The greeting must be stored as constant strings in the program.

```java
import java.io.*;

import java.util.*;

import javax.servlet.*;

import javax.servlet.http.*;

public class prgms9 extends HttpServlet

{

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException

{
```

response.setContentType("text/html");

PrintWriter out = response.getWriter();

String[] myStrings = {"This is the first servlet message", "This is the first servlet message",

"Good Morning", "Have a nice day","Hello"};

/* TODO output your page here. You may use following sample code. */

out.println("<!DOCTYPE html>");

out.println("<html>");

out.println("<head>");

out.println("<title>Servlet Random Message</title>");

out.println("</head>");

out.println("<body>");

out.println("<h1>Servlet RandomMessage</h1>");

Random r = new Random( );

out.println(myStrings[r.nextInt(myStrings.length)]);

out.println("</body>");

out.println("</html>");

}

}

PROGRAM 10

Write a servlet for the XHTML code of exercise 6 that computes the total cost of ordered light bulbs after adding 2% sales tax. The servlet must inform the buyer of exactly what was ordered in table.

P10.html

```
<!DOCTYPE html>
<html>
<head>
<title>Order Form</title>
<script type="text/javascript">
function loadjson()
{
var json = '{"h1": "<b><h2><pre>Select the items :
Quantity</pre></b></h2>"}';
var obj = JSON.parse(json);
document.getElementById("heading").innerHTML=obj.h1;
document.getElementById("heading").innerText=obj.h1;
}
```

```html
</script>
</head>
<body onload="loadjson();">
<form action="http://localhost:8080/p10n/p10ns">
User :
<input type="text" name="mname" size=30 /> <br/>
<label id="heading" ></label>
<table>
<TR>
<TD>
<input type="checkbox" name="option1" checked="checked"/>
<label id="chk1">Four 100 watt bulbs for Rs. 20.39 </label>
</TD>
<TD>
<input type="text" name="VAL1" size=2 />
</TD>
</TR>
<TR><TD>
<input type="checkbox" name="option2" />
<label id="chk2">Eight 100watt bulbs for Rs 40.20 </label></TD>
<TD>
<input type="text" name="VAL2" size=2 />
</TD>
</TR>
<TR>
<TD>
<input type="checkbox" name="option3" />
<label id="chk3">Four 100watt long life bulbs for Rs. 30.95 </label>
</TD>
<TD>
<input type="text" name="VAL3" size=2 />
</TD>
</TR>
<TR>
<TD>
<input type="checkbox" name="option4" />
<label id="chk4">Eight 100watt long life bulbs for Rs 70.49
</label><br/>
</TD>
<TD>
<input type="text" name="VAL4" size=2 />
</TD>
</TR>
</table>
<input type="radio" name="paymode" value="visa" checked="checked" />
VISA <br/>
<input type="radio" name="paymode" value="mcard"/> MASTER CARD <br/>
<input type="radio" name="paymode" value="discover"/> DISCOVER <br/>
<input type="submit" id="bt" value="submit"/>
<input type="reset" value="Reset Order" />
</form>
</body>
</html>
```

P10.java

```java
import java.io.*;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
public class p10ns extends HttpServlet
{
public void doGet(HttpServletRequest req,HttpServletResponse res)
throws ServletException,IOException
{
res.setContentType("text/html");//setting the content type
PrintWriter pw=res.getWriter();//get the stream to write the data
String UName=req.getParameter("mname");
double item1,item2,item3,item4;
double price1=20.39;
double price2=40.20;
double price3=30.95;
double price4=70.49;
item1=item2=item3=item4=0;
if(req.getParameter("option1")!=null)
{
String str1=req.getParameter("VAL1");
item1=Integer.parseInt(str1);
}
if(req.getParameter("option2")!=null)
{
String str2=req.getParameter("VAL2");
item2=Integer.parseInt(str2);
}
if(req.getParameter("option3")!=null)
{
String str3=req.getParameter("VAL3");
item3=Integer.parseInt(str3);
}
if(req.getParameter("option4")!=null)
{
String str4=req.getParameter("VAL4");
item4=Integer.parseInt(str4);
}
double total1=item1*price1;
double total2=item2*price2;
double total3=item3*price3;
double total4=item4*price4;
double total=total1+total2+total3+total4;
total+=(total*2.0)/100;
pw.println("<!DOCTYPE html>");
pw.println("<html>");
pw.println("<body>");
pw.println("<h4>user name: "+ UName + "</h4>" );
String itemname1,itemname2,itemname3,itemname4;
itemname1="Four 100 watt bulbs for Rs. 20.39";
itemname2="Eight 100watt bulbs for Rs 40.20";
itemname3="Four 100watt long life bulbs for Rs. 30.95";
itemname4="Eight 100watt long life bulbs for Rs 70.49";
//writing html in the stream
pw.println("You have ordered following items");
pw.println("<table border=1>");
```

```
pw.println("<tr><th>Item</th><th>Qty</th><th>Price</th><th>Total</th
></tr>");
pw.println("<tr><td>" + itemname1 + "</td><td>" + item1 +
"</td><td>"+ price1 + "</td><td>"+ total1 +"</td></tr>");
pw.println("<tr><td>" + itemname2 + "</td><td>" + item2 +
"</td><td>"+ price2 + "</td><td>"+ total2 +"</td></tr>");
pw.println("<tr><td>" + itemname3 + "</td><td>" + item3 +
"</td><td>"+ price3 + "</td><td>"+ total3 +"</td></tr>");
pw.println("<tr><td>" + itemname4 + "</td><td>" + item4 +
"</td><td>"+ price4 + "</td><td>"+ total4 +"</td></tr>");
pw.println("</table>");
pw.println("Total bill after adding 2% tax is: " + total);
pw.println("</body></html>");

pw.close();//closing the stream
}
}

-------------------------------------------------------------------------
-
```

PROGRAM 11

Write and test a JSP document that displays the form of exercise 6 that computes the total cost of ordered light bulbs after adding 2% sales tax. The servlet must inform the buyer of exactly what was ordered in table.

<u>**P11.HTML**</u>

```
<html>
<head>
<title>Order Form</title>
<script type="text/javascript">
function loadjson()
{
var json = '{"h1": "<b><h2><pre>Select the items :
Quantity</pre></b></h2>"}';
var obj = JSON.parse(json);
document.getElementById("heading").innerHTML=obj.h1;
document.getElementById("heading").innerText=obj.h1;
}
</script>
</head>
<body onload="loadjson();">
<form method="GET" action="http://localhost:8080/Examples/p11.jsp">
User :
<input type="text" name="mname" size=30 /> <br/>
<label id="heading" ></label>
<table>
<TR>
<TD>
<input type="checkbox" name="option1" checked="checked"/>
<label id="chk1">Four 100 watt bulbs for Rs. 20.39 </label>
</TD>
<TD>
```

```
<input type="text" name="VAL1" size=2 />
</TD>
</TR>
<TR><TD>
<input type="checkbox" name="option2" />
<label id="chk2">Eight 100watt bulbs for Rs 40.20 </label></TD>
<TD>
<input type="text" name="VAL2" size=2 />
</TD>
</TR>
<TR>
<TD>
<input type="checkbox" name="option3" />
<label id="chk3">Four 100watt long life bulbs for Rs. 30.95 </label>
</TD>
<TD>
<input type="text" name="VAL3" size=2 />
</TD>
</TR>
<TR>
<TD>
<input type="checkbox" name="option4" />
<label id="chk4">Eight 100watt long life bulbs for Rs 70.49
</label><br/>
</TD>
<TD>
<input type="text" name="VAL4" size=2 />
</TD>
</TR>
</table>
<input type="radio" name="paymode" value="visa" checked="checked" />
VISA <br/>
<input type="radio" name="paymode" value="mcard"/> MASTER CARD <br/>
<input type="radio" name="paymode" value="discover"/> DISCOVER <br/>
<input type="submit" id="bt" value="submit"/>
<input type="reset" value="Reset Order" />
</form>
</body>
</html>

<!===== JSP CODE ========>
<%@ page language="java" contentType="text/html"%>
<html>
<body>
User Name:<%=request.getParameter("mname")%><br/>
<%
int item1,item2,item3,item4;
double price1=20.39;
double price2=40.20;
double price3=30.95;
double price4=70.49;
item1=item2=item3=item4=0;
if(request.getParameter("option1")!=null)
{
String str1=request.getParameter("VAL1");
item1=Integer.parseInt(str1);
```

```jsp
}
if(request.getParameter("option2")!=null)
{
String str2=request.getParameter("VAL2");
item2=Integer.parseInt(str2);
}
if(request.getParameter("option3")!=null)
{
String str3=request.getParameter("VAL3");
item3=Integer.parseInt(str3);
}
if(request.getParameter("option4")!=null)
{
String str4=request.getParameter("VAL4");
item4=Integer.parseInt(str4);
}
double total1=item1*price1;
double total2=item2*price2;
double total3=item3*price3;
double total4=item4*price4;
double total=total1+total2+total3+total4;
total+=(total*2.0)/100;
String itemname1,itemname2,itemname3,itemname4;
itemname1="Four 100 watt bulbs for Rs. 20.39";
itemname2="Eight 100watt bulbs for Rs 40.20";
itemname3="Four 100watt long life bulbs for Rs. 30.95";
itemname4="Eight 100watt long life bulbs for Rs 70.49";
%>
<h3>You have ordered following items<h3></br>
<table border=1>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Price</th>
<th>Total</th>
</tr>
<tr>
<td><%=itemname1%></td>
<td><%=item1%></td>
<td><%=price1%></td>
<td><%=total1%></td>
</tr>
<tr>
<td><%=itemname2%></td>
<td><%=item2%></td>
<td><%=price2%></td>
<td><%=total2%></td>
</tr>
<tr>
<td><%=itemname3%></td>
<td><%=item3%></td>
<td><%=price3%></td>
<td><%=total3%></td>
</tr>
<tr>
<td><%=itemname4%></td>
```

```
<td><%=item4%></td>
<td><%=price4%>
</td><td><%=total4%></td>
</tr>
</table>
Total bill including 2% tax is <b> <%=total%> </b>
<br/>
</body>
</html>
```

PROGRAM 12

Write a markup document to create a form that collects favourite popular songs, including the name of the song, the composer and the performing artist or group. This document must call a servlet when the form is submitted and another servlet to request a current list of survey results.

P12.HTML

```
<html>
<head>
<title>song form</title>
</head>
<body>
<form method="GET" action="http://localhost:8080/Examples/P12">
 <pre>Song Name : <input type="text" Name="sname" size=20/></pre>
 <pre>Composer : <input type="text" Name="cname" size=20/> </pre>
 <pre>Singer : <input type="text" Name="singer" size=20/></pre>
 Artists : <br/>
 <input type="checkbox" name="fluteman" /> Fluteman<br/>
 <input type="checkbox" name="tabalaman" /> Tabalaman<br/>
 <input type="checkbox" name="violinman" /> Violinman<br/>
 <input type="checkbox" name="supportingsinger" />Supporting
Singer</br></br>

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

<!====== SERVLET CODE ============>

import java.io.*;
import java.io.FileWriter;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.FileReader;
public class P12 extends HttpServlet{
public void doGet(HttpServletRequest req,HttpServletResponse res)
throws ServletException,IOException
{
res.setContentType("text/html");//setting the content type
PrintWriter pw=res.getWriter();//get the stream to write the data
String sname=req.getParameter("sname");
```

```java
String cname=req.getParameter("cname");
String singer=req.getParameter("singer");
String artist="";
if(req.getParameter("fluteman")!=null)
{
artist=" Fluteman";
}
if(req.getParameter("tabalaman")!=null)
{
artist=artist + " Tabalaman";
}
if(req.getParameter("violinman")!=null)
{
artist=artist + " Violinman";
}
if(req.getParameter("supportingsinger")!=null)
{
artist=artist + " Supportingsinger";
}
String filename="d:\\song.txt";
FileWriter fw=new FileWriter(filename,true);
fw.write("\n");
try
{
fw.write("Song:" + sname + " Composer:"+ cname + " Singer:" + singer
+ " Artist:" + artist);
fw.close();
}
catch(Exception e)
{
System.out.println(e);
}
pw.println("<!DOCTYPE html>");
pw.println("<html>");
pw.println("<body>");
pw.println("<h2>Current Survey Result </h2>");
pw.println("</br>Song Name: " + sname + "</br> Composer :"+ cname +
"</br> Singer :" + singer + "</br>
Artist: "+ artist);
pw.println("</br></br><a
href='http://localhost:8080/Examples/survey'>click here </a> to view
previous
survey details");
pw.println("</body></html>");
pw.close();//closing the stream
}}

<!==== servlet Survey.java ==========>
import java.io.*;
import java.io.FileWriter;
import java.util.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.io.FileReader;
public class survey extends HttpServlet{
```

```java
public void doGet(HttpServletRequest req,HttpServletResponse res)
throws ServletException,IOException
{
res.setContentType("text/html");//setting the content type
PrintWriter pw=res.getWriter();//get the stream to write the data
String filename="d:\\song.txt";
pw.println("<!DOCTYPE html>");
pw.println("<html>");
pw.println("<body>");
pw.println("<h2>Previous survey result<h2>");
pw.println("<b>The most popular songs are </b> " );
pw.println("<br />");
BufferedReader br = new BufferedReader(new FileReader(filename));
 String line;
 pw.println("<table border=.01>");
 pw.println("<tr><th><pre><b>Song Name Composer Singer Artist
</b></pre></th></tr>");
 while((line = br.readLine())!= null)
 {
pw.print("<tr><td>" + line + "</td></tr>");

 }
 br.close();
pw.println("</table>");
pw.println("</body></html>");

pw.close();//closing the stream
}
}
```