SET 4

Q1. WAP to create following web page in JSP and store feedback record in database

JPS CODE:

```html
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>JSP Page</title>
    <style>
      table, th, td {
        border-style: outset;

      }
    </style>
  </head>
  <body>
    <form action="" medthod="post">
      <h1>FEEDBACK FORM</h1>
      <table>
```

```html
<tr>
  <td>NAME</td>
  <td><input type="text" name="t1"></td>
</tr>
<tr>
  <td>PASSWORD</td>
  <td><input type="text" name="t2"></td>
</tr>
<tr>
  <td>ADDRESS</td>
  <td><textarea name="t3"></textarea></td>
</tr>
<tr>
  <td>GENDER</td>
  <td><input type="radio" name="t4" value="Male">MALE</br>
    <input type="radio" name="t4" value="Female">FEMALE</td>
</tr>
<tr>
  <td>D.O.B</td>
  <td>
    <select name="day">
      <option value="1">1</option>
      <option value="2">2</option>
      <option value="3">3</option>
      <option value="4">4</option>
    </select>
    <select name="mon">
      <option value="jan">Jan</option>
      <option value="feb">Feb</option>
      <option value="mar">Mar</option>
      <option value="april">April</option>
```

```html
        </select>
        <select name="year">
          <option value="1986">1986</option>
          <option value="1987">1987</option>
          <option value="1988">1988</option>
          <option value="1989">1989</option>
        </select>
      </td>
    </tr>
    <tr>
      <td>WHAT WAS BEST</td>
      <td>
        <select name="best">
          <option value="food">FOOD</option>
          <option value="PLACE">People</option>
          <option value="ambiance">Ambiance</option>
        </select>
      </td>
    </tr>
    <tr>
      <td><input type="submit" value="ok"></td>
      <td><input type="reset" value="reset"></td>
    </tr>
  </table>
</form>
</body>
</html>
<%
  String name, pass, add, gen, best, dob, day, mon, year;
  name = request.getParameter("t1");
  pass = request.getParameter("t2");
```

```jsp
    add = request.getParameter("t3");

    gen = request.getParameter("t4");

    best = request.getParameter("best");

    day = request.getParameter("day");

    mon = request.getParameter("mon");

    year = request.getParameter("year");

    dob = day + "/" + mon + "/" + year;


    try {

        if (name != null) {

            Class.forName("com.mysql.cj.jdbc.Driver");

            Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/pgdit", "root", "root");

            Statement st = con.createStatement();

            st.execute("insert into form values('" + name + "','" + pass + "','" + add + "','" + gen + "','" + best + "','"+ dob+"')");

            out.print("value inserted");

            st.close();

            con.close();

        }

    } catch (Exception e) {

        out.print(e);

    }


%>
```

Q.2 WAP to create MCQ type 5 question along with option and provide score to the client after finish all questions in Servlet

HTML Code:

```html
<html>
  <head>
    <title>TODO supply a title</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
    <form action="http://localhost:8080/Set4/mcq" method="post">
      <h3>Q.1 In a web site, the 'home' page refers to ?</h3>
      <input type="radio" name="q1" value="the best page">the best page
      <input type="radio" name="q1" value="the last page">the last page
      <input type="radio" name="q1" value="the first page">the first page
      <br>
      <h3>Q.2 A _____ is a software program used to view Web pages ?</h3>
      <input type="radio" name="q2" value="browser">browser
      <input type="radio" name="q2" value="link">link
      <input type="radio" name="q2" value="site">site
      <br>
      <h3>Q.3 Digital Banking can be resorted through?</h3>
      <input type="radio" name="q3" value="Internet">Internet
      <input type="radio" name="q3" value="Telephones">Telephones
      <input type="radio" name="q3" value="All of these">All of these
      <br>
      <h3>Q.4 While sending an e-mail, the — line describes the contents of the message ?</h3>
      <input type="radio" name="q4" value="to">to
      <input type="radio" name="q4" value="Subject">Subject
      <input type="radio" name="q4" value="cc">cc
      <br>
```

Q.5 A (n) _____ appearing on a web page opens another document when clicked ?

```html
<h3>Q.5 A (n) _____ appearing on a web page opens another document when clicked ?</h3>

<input type="radio" name="q5" value="hyperlink">hyperlink

<input type="radio" name="q5" value="URL">URL

<input type="radio" name="q5" value="Reference">Reference


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


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

Servlet Code (paste in protected void processRequest):

```java
int score = 0;
    String q1, q2, q3, q4, q5;


    q1 = request.getParameter("q1");

    q2 = request.getParameter("q2");

    q3 = request.getParameter("q3");

    q4 = request.getParameter("q4");

    q5 = request.getParameter("q5");


    if(q1.equals("the first page"))

    {

    score = score + 1;

    }

    if(q2.equals("browser"))

    {

    score = score + 1;

    }
```

```java
        if(q3.equals("All of these"))

        {

        score = score + 1;

        }

        if(q4.equals("Subject"))

        {

        score = score + 1;

        }

        if(q5.equals("hyperlink"))

        {

        score = score + 1;

        }


        out.print("<strong>Your score is: <strong>"+ score);
```

Q.3 A Quick Fox Transport Co. wants to develop an application for calculating amount based on distance and weight of goods. The charges (Amount) to be calculated as per rates given below.

Swing Code(on submit button):

```java
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    String from,to,a,b;
    int w,d,amount=0;
    from = jTextField1.getText();
    to = jTextField2.getText();
    a = jTextField3.getText();
    b = jTextField4.getText();
    w = Integer.parseInt(a);
    d = Integer.parseInt(b);
```

```java
if (d >= 500)

{

  if (w >= 100)

  {

    amount = 5*d;

  }

  else if ((w >= 10) && (w <100))

  {

    amount = 6*d;

  }

  else if (w < 10)

  {

    amount = 7*d;

  }


}
else if (d < 500)

{

  if (w >= 100)

  {

    amount = 8*d;

  }

  else if (w <100)

  {

    amount = 5*d;

  }
}
jLabel7.setText(" "+ amount);

}


private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
    System.exit(WIDTH);

    }
```

SET 5

Q.2) WAP to create the following table in the database. Insert value and retrieve only those records whose loan_amount is more than 650000. Using Servlet.

Table: Loan_Accounts

AccNo	Cust_Name	Loan_Amount	Instalments	Int_Rate	Start_Date
1	R.K. Gupta	300000	36	12.00	19-07-2009
2	S.P. Sharma	500000	48	10.00	22-03-2008
3	K.P. Jain	300000	36	NULL	08-03-2007
4	M.P. Yadav	800000	60	10.00	06-12-2008
5	S.P. Sinha	200000	36	12.50	03-01-2010
6	P. Sharma	700000	60	12.50	05-06-2008
7	K.S. Dhall	500000	48	NULL	05-03-2008

HTML:

```html
<html>
  <head>
    <title>TODO supply a title</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
    <form action="http://localhost:8080/Set5/Loan" method="post">
      Enter Loan Amount<input type="text" name="t1"><br><!-- comment -->


      <input type="submit" value="retrieve"><br>
```

```
        </form>

    </body>

</html>
```

Servlet:

```java
try {

        String n = request.getParameter("t1");


        Class.forName("com.mysql.cj.jdbc.Driver");

        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/pgdit",
"root", "root");

        Statement st = con.createStatement();

        ResultSet rs = st.executeQuery("select * from Loans where Loan_Amount >'" + n + "'");

        out.print("<table border = 1 width=100px>");

        out.print("<tr>");

        out.print("<td> AccNo</td>");

        out.print("<td> Cust_Name</td>");

        out.print("<td> Loan_Amount</td>");

        out.print("<td> installments</td>");

        out.print("<td> int_Rate</td>");

        out.print("<td> Start_Date</td>");

        out.print("</tr>");

        while (rs.next()) {

            String acc = rs.getString("Accoo");

            String name = rs.getString("Cust_Name");

            String l = rs.getString("Loan_Amount");

            String i= rs.getString("Installment");

            String ir = rs.getString("Interest_Rate");

            String sd = rs.getString("Start_Date");

            out.print("<td>" + acc + "</td>");

            out.print("<td>" + name + "</td>");
```

```
        out.print("<td> " + l + "</td>");

        out.print("<td> " + i + "</td>");

        out.print("<td> " + ir + "</td>");

        out.print("<td> " + sd+ "</td>");

        out.print("</tr>");

        out.print("</table>");


    }
    st.close();

    con.close();

} catch (Exception e) {

    out.print(e);

}
```
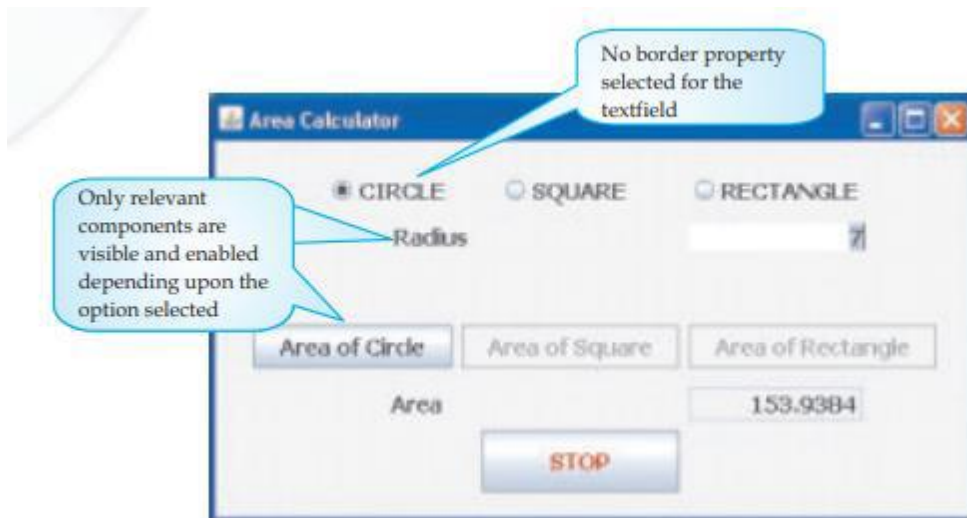
Q.3 Write a program to show the math editor interface is shown below.
1) When we click on Circle Radio Button AreaOfCircle Button and other component are activate and when we press AreaofCircle Button Area would be calculate.
Same as continue with other RadioButtons and Buttons.

Swing Code:

```
private void jRadioButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    jLabel1.setVisible(true);
    jTextField3.setVisible(true);
    jLabel2.setVisible(true);


    jButton1.setVisible(true);


    jLabel7.setVisible(false);
    jTextField4.setVisible(false);
    jTextField5.setVisible(false);
    jButton2.setVisible(false);
    jButton3.setVisible(false);
    jLabel4.setVisible(false);
    jLabel5.setVisible(false);
    jTextField1.setVisible(false);
    jLabel6.setText("");
    jTextField3.setText("");
```

```java
    }

    private void jRadioButton2ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        jLabel4.setVisible(true);
        jLabel2.setVisible(true);
        jTextField1.setVisible(false);
        jLabel7.setVisible(false);
        jTextField4.setVisible(false);
        jButton2.setVisible(true);
        jButton3.setVisible(false);
        jLabel5.setVisible(false);
        jTextField1.setVisible(true);

        jLabel1.setVisible(false);
        jTextField3.setVisible(false);
        jLabel2.setVisible(true);

        jButton1.setVisible(false);
        jTextField5.setVisible(false);
        jLabel6.setText("");
        jTextField1.setText("");
    }

    private void jRadioButton3ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        jLabel2.setVisible(true);
        jLabel7.setVisible(true);
        jLabel5.setVisible(true);
        jTextField4.setVisible(true);
        jTextField5.setVisible(true);
```

```java
        jButton3.setVisible(true);

        jButton4.setVisible(true);


        jLabel4.setVisible(false);

        jLabel2.setVisible(true);

        jTextField1.setVisible(false);



        jButton2.setVisible(false);


        jLabel6.setText("");

        jTextField4.setText("");

        jTextField5.setText("");



        jLabel1.setVisible(false);

        jTextField3.setVisible(false);



        jButton1.setVisible(false);

    }

    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        int a;
        if (jRadioButton1.isSelected())
        {
            a = Integer.parseInt(jTextField3.getText());
            jLabel6.setText(""+a*a*3.14);
        }
```

```java
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int s;
    if (jRadioButton2.isSelected())
    {
        s = Integer.parseInt(jTextField1.getText());
        jLabel6.setText("" +(s*s));
    }
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    int w,h;
    if (jRadioButton3.isSelected())
    {
        w = Integer.parseInt(jTextField4.getText());
        h = Integer.parseInt(jTextField5.getText());
        jLabel6.setText(""+(w*h));
    }
}

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    System.exit(WIDTH);
}
```