Ex 4: Create GUI using Swing which will interact with Database and insert the content in the database.

Step 1:

Form Design:

Write the below (No need to draw from in Ex 4):

Refer to Ex 3

Step 2:

To download jCalendar: https://toedter.com/jcalendar/
Steps:
> Download RAR
> Extract RAR
> In netbeans tools-> palette -> swing/awt components -> Add JAR -> locate the jcalendar folder -> select lib -> select all JAR files -> next -> select all components -> next -> select swing Controls -> finish.

Step 3:

Table Design:

Create table tblreg (Enroll int, Name varchar(25), Email varchar(25), DOB varchar(25), Gender varchar(25), Division varchar(25), Interest varchar(25), Address varchar(25));

Insert into tblreg values(101, Aarav, aarav@gmail.com, 19-Jan-2002, Male, TC5, AJT, Rajkot);

Select * from tblreg;

Step 4:

Source code:

```
import java.sql.*;

import javax.swing.JOptionPane;

import javax.swing.JTextField;

try {

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

        Connection cn =
DriverManager.getConnection("jdbc:mysql://localhost:3306/4tc","root","");

        System.out.println("Connected");
```

```java
        PreparedStatement ps = cn.prepareStatement("INSERT INTO regtbl(`Enroll`,
`Name`, `Email`, `DOB`, `Gender`, `Division`, `Interest`, `Address`)
VALUES(?,?,?,?,?,?,?,?)");

        ps.setInt(1, Integer.parseInt(txtEnroll.getText()));

        ps.setString(2, txtName.getText());

        ps.setString(3, txtEmail.getText());

        ps.setString(4,
((JTextField)jDateChooser1.getDateEditor().getUiComponent()).getText());


        if(rMale.isSelected())

            ps.setString(5, rMale.getText());

        else

            ps.setString(5, rFemale.getText());


        String value = comboDivision.getSelectedItem().toString();

        ps.setString(6, value);


        String fav_sub = "";

        if(cbAJT.isSelected())

        {

            fav_sub+=cbAJT.getText()+" , ";

        }

        if(cbJava.isSelected())

        {

            fav_sub+=cbJava.getText()+" , ";

        }

        ps.setString(7, fav_sub);


        ps.setString(8,txtAddress.getText());


    // cleardata();
```

```java
    int i = ps.executeUpdate();

    JOptionPane.showMessageDialog(btnSave, i + " Record Inserted Successfully");

    cleardata();

    dispose();

    setVisible(true);

    ps.close();

    cn.close();
}
catch(Exception e) {

            e.printStackTrace();

  }}
```

Output: