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Class - Sy.Bsc.Computer Science.

SUB - Advanced java Mini project

Topic Name - Student Course Resgistration Form

Code:

Reg.java

```
package record;

import java.sql.Connection;
import java.sql.PreparedStatement;
import javax.swing.*.*;
import java.sql.DriverManager;

public class reg extends javax.swing.JFrame {

    Connection con = null;
    PreparedStatement pst = null;
    public reg() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
```

```
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel19 = new javax.swing.JLabel();
txtFname = new javax.swing.JTextField();
txtLname = new javax.swing.JTextField();
txtAdd = new javax.swing.JTextField();
txtEmail = new javax.swing.JTextField();
txtUser = new javax.swing.JTextField();
txtPass = new javax.swing.JTextField();
txtPhone = new javax.swing.JTextField();
cmbGender = new javax.swing.JComboBox<>();
jButton1 = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
```

```
jLabel1.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
// NOI18N
```

```
jLabel1.setText(" Name");
```

```
jLabel2.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
// NOI18N
```

```
jLabel2.setText("Address");
```

```
jLabel3.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
```

```
// NOI18N
```

```
jLabel3.setText("Email");
```

```
jLabel4.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
```

```
// NOI18N
```

```
jLabel4.setText("User Name");
```

```
jLabel5.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
```

```
// NOI18N
```

```
jLabel5.setText("Course");
```

```
jLabel6.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
```

```
// NOI18N
```

```
jLabel6.setText("Gender");
```

```
jLabel7.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
```

```
// NOI18N
```

```
jLabel7.setText("Phone No.");
```

```
jLabel8.setFont(new java.awt.Font("Century Schoolbook", 1, 14));
```

```
// NOI18N
```

```
jLabel8.setText("Password");
```

```
jLabel9.setFont(new java.awt.Font("Century Schoolbook", 1, 24));

// NOI18N

jLabel9.setText("Student Course Registration Form");

cmbGender.setModel(new javax.swing.DefaultComboBoxModel<>(new
String[] { "Male", "Female", "Others" }));

jButton1.setFont(new java.awt.Font("Century Schoolbook", 1, 18));

// NOI18N

jButton1.setText("Submit");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

javax.swing.GroupLayout layout = new
javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
```

```
.addGroup(layout.createSequentialGroup()  
    .addGap(37, 37, 37)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
    .addComponent(jLabel2)  
    .addComponent(jLabel1)  
    .addComponent(jLabel3)  
    .addComponent(jLabel4))  
    .addGap(30, 30, 30)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
```

```
    .addComponent(txtUser,  
        javax.swing.GroupLayout.DEFAULT_SIZE, 165, Short.MAX_VALUE)  
    .addComponent(txtEmail,  
        javax.swing.GroupLayout.Alignment.LEADING)  
    .addComponent(txtFname,  
        javax.swing.GroupLayout.Alignment.LEADING)  
    .addComponent(txtAdd,  
        javax.swing.GroupLayout.Alignment.LEADING))  
    .addGap(82, 82, 82)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
    .addComponent(jLabel8,  
        javax.swing.GroupLayout.Alignment.TRAILING,  
        javax.swing.GroupLayout.DEFAULT_SIZE,  
        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addComponent(jLabel6,  
javax.swing.GroupLayout.Alignment.TRAILING,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addComponent(jLabel7,  
javax.swing.GroupLayout.Alignment.TRAILING,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
```

```
        .addComponent(jLabel5,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
```

```
        .addGap(18, 18, 18)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```
        .addComponent(txtPhone)
```

```
        .addComponent(txtLname)
```

```
        .addComponent(cmbGender, 0, 165, Short.MAX_VALUE)
```

```
        .addComponent(txtPass)))
```

```
.addGroup(layout.createSequentialGroup()
```

```
        .addGap(316, 316, 316)
```

```
        .addComponent(jButton1))
```

```
.addGroup(layout.createSequentialGroup()
```

```
        .addGap(158, 158, 158)
```

```
        .addComponent(jLabel9,  
javax.swing.GroupLayout.PREFERRED_SIZE, 447,  
javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
        .addContainerGap(71, Short.MAX_VALUE))
```

```
);
```

```
layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

    .addGroup(layout.createSequentialGroup()

        .addGap(37, 37, 37)

        .addComponent(jLabel9)

        .addGap(41, 41, 41)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel1)

        .addComponent(jLabel5)

        .addComponent(txtFname,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(txtLname,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(34, 34, 34)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel6)

        .addComponent(jLabel2)

        .addComponent(txtAdd,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
```



```
        .addComponent(cmbGender,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addGap(43, 43, 43)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(jLabel3)
```

```
        .addComponent(jLabel7)
```

```
        .addComponent(txtPhone,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(txtEmail,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
        .addGap(46, 46, 46)
```

```
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
```

```
        .addComponent(jLabel4)
```

```
        .addComponent(jLabel8)
```

```
        .addComponent(txtUser,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
        .addComponent(txtPass,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
25, Short.MAX_VALUE)
```

```
    .addComponent(jButton1)
```

```
    .addGap(32, 32, 32))
```

```
);
```

```
jLabel17.getAccessibleContext().setAccessibleName("Phone No.");
```

```
pack();
```

```
// </editor-fold>
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
```

```
    try{
```

```
        Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
```

```
        Connection con =
```

```
DriverManager.getConnection("jdbc:sqlserver://DESKTOP-  
HM3E1VF:1433;databaseName=userregistration", "sa", "Kaivalya12");
```

```
        String query = "insert into Record values(?,?,?,?,?,?,?)";
```

```
        pst=con.prepareStatement(query);
```

```
        pst.setString(1, txtFname.getText());
```

```
        pst.setString(2, txtLname.getText());
```

```
        pst.setString(3, txtAdd.getText());
```

```
        pst.setString(4, cmbGender.getSelectedItem().toString());
```

```
        pst.setString(5, txtEmail.getText());
```

```
        pst.setString(6, txtPhone.getText());
```

```

        pst.setString(7, txtUser.getText());
        pst.setString(8, txtPass.getText());
        pst.executeUpdate();

        JOptionPane.showMessageDialog(null, "REGISTER SUCCESSFULLY");
    }
    catch(Exception ex){
        JOptionPane.showMessageDialog(null, ex);
    }
}

public static void main(String args[]) {
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new reg().setVisible(true);
        }
    });
}

// Variables declaration - do not modify
private javax.swing.JComboBox<String> cmbGender;
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;

```

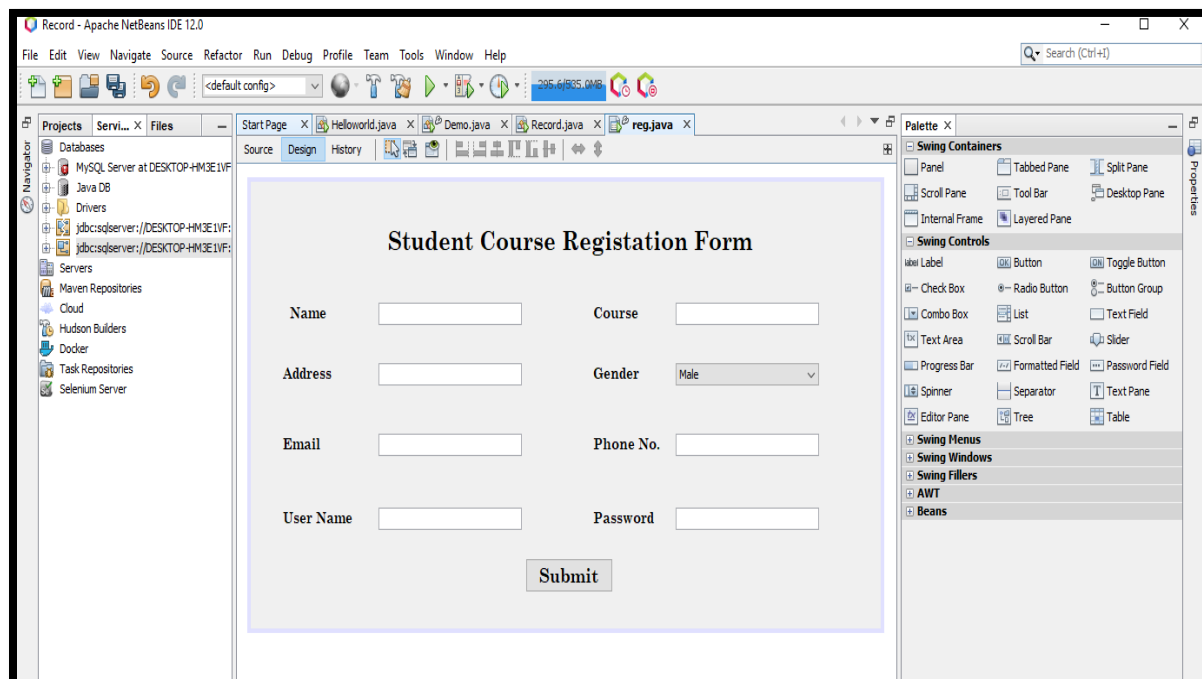
```

private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JTextField txtAdd;
private javax.swing.JTextField txtEmail;
private javax.swing.JTextField txtFname;
private javax.swing.JTextField txtLname;
private javax.swing.JTextField txtPass;
private javax.swing.JTextField txtPhone;
private javax.swing.JTextField txtUser;

// End of variables declaration
}

```

Design page



Record.java

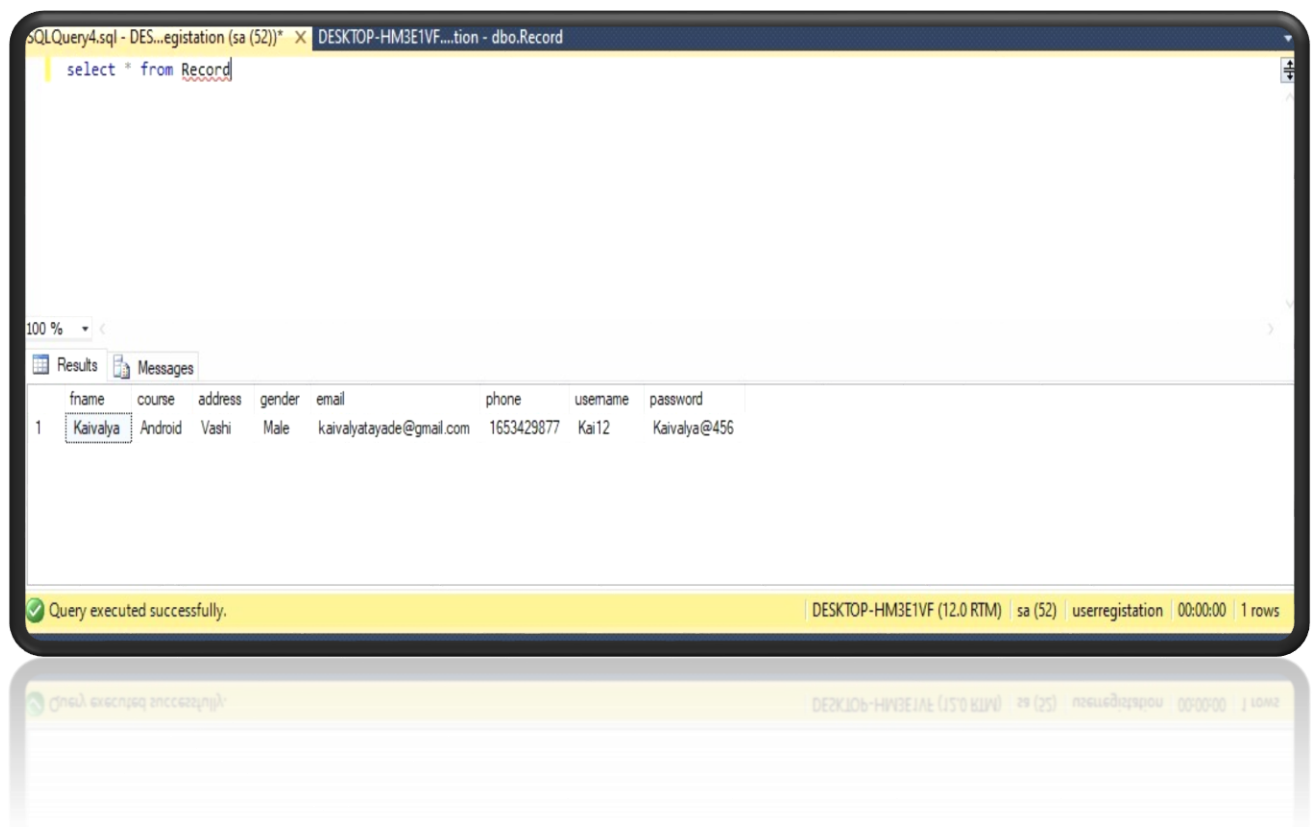
```
package record;

public class Record {

    public static void main(String[] args) {
        // TODO code application logic here
    }
}
```

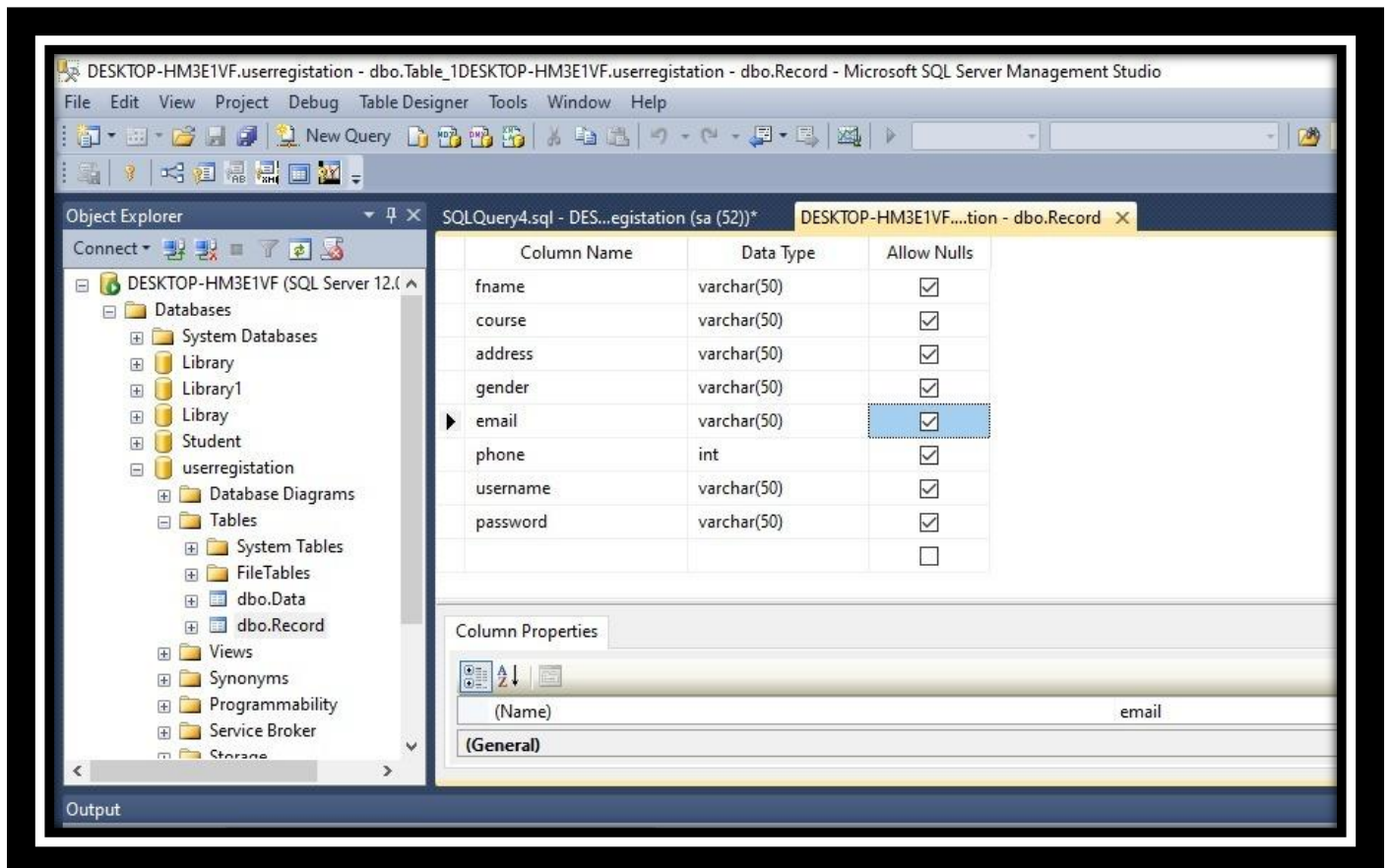
Sql Statement :

Select * from Data

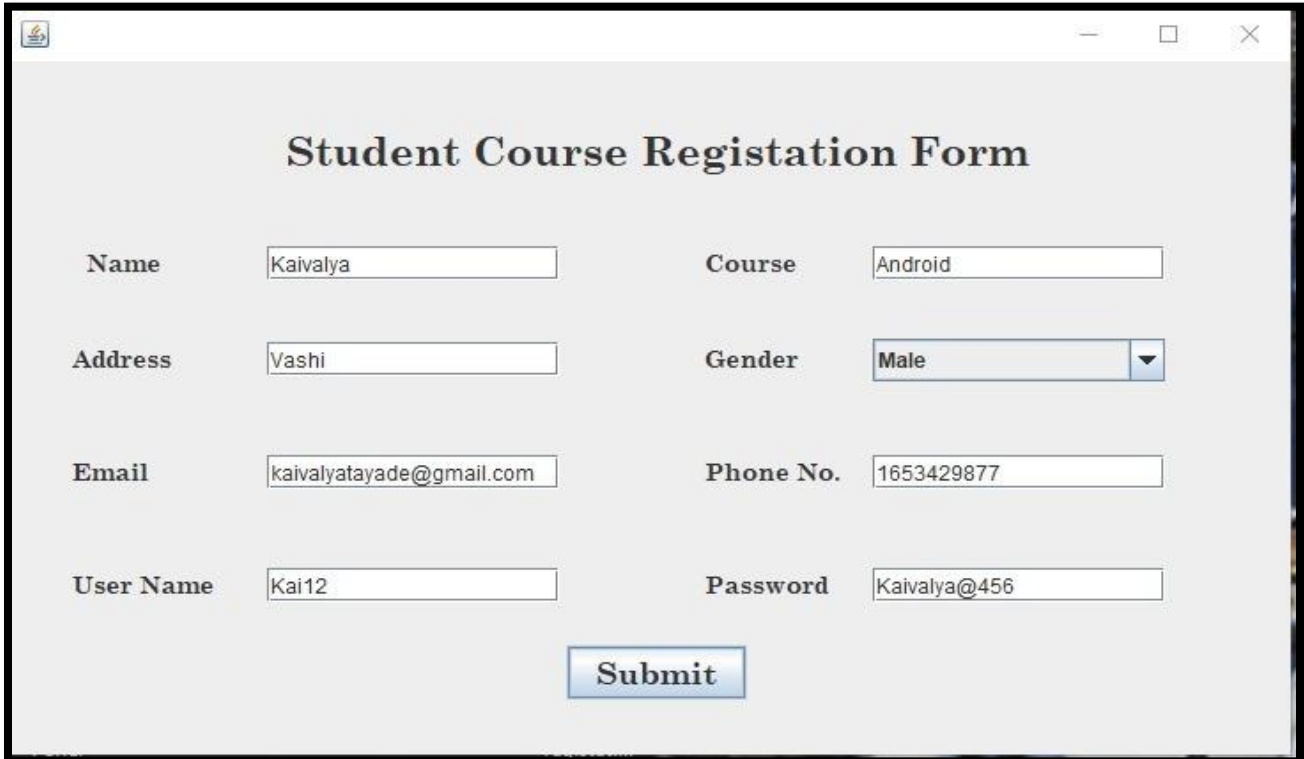


OUTPUT:

- Create Database on Microsoft SQL server management Studio 2014



- Run Program

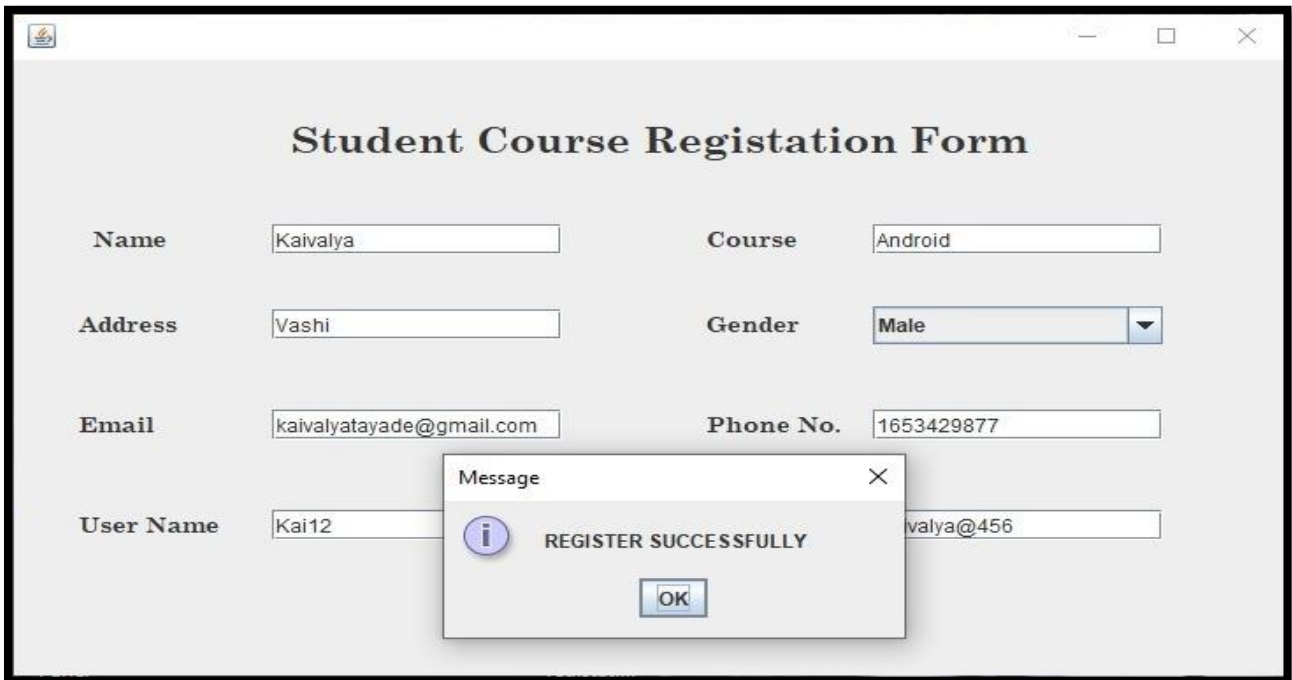


A screenshot of a Java Swing window titled "Student Course Registration Form". The window has a light gray background and standard Windows window controls (minimize, maximize, close) in the top right corner. The form contains eight input fields arranged in two columns. The left column fields are "Name", "Address", "Email", and "User Name". The right column fields are "Course", "Gender", "Phone No.", and "Password". The "Gender" field is a dropdown menu. Below the input fields is a blue "Submit" button.

Field	Value
Name	Kaivalya
Address	Vashi
Email	kaivalyatayade@gmail.com
User Name	Kai12
Course	Android
Gender	Male
Phone No.	1653429877
Password	Kaivalya@456

Submit

- After click submit button



A screenshot of the same "Student Course Registration Form" window as above, but with a small "Message" dialog box overlaid in the center. The dialog box has a title bar "Message" and a close button (X). It contains an information icon (i) and the text "REGISTER SUCCESSFULLY". Below the text is an "OK" button. The form fields in the background are still visible and contain the same data as in the previous screenshot.

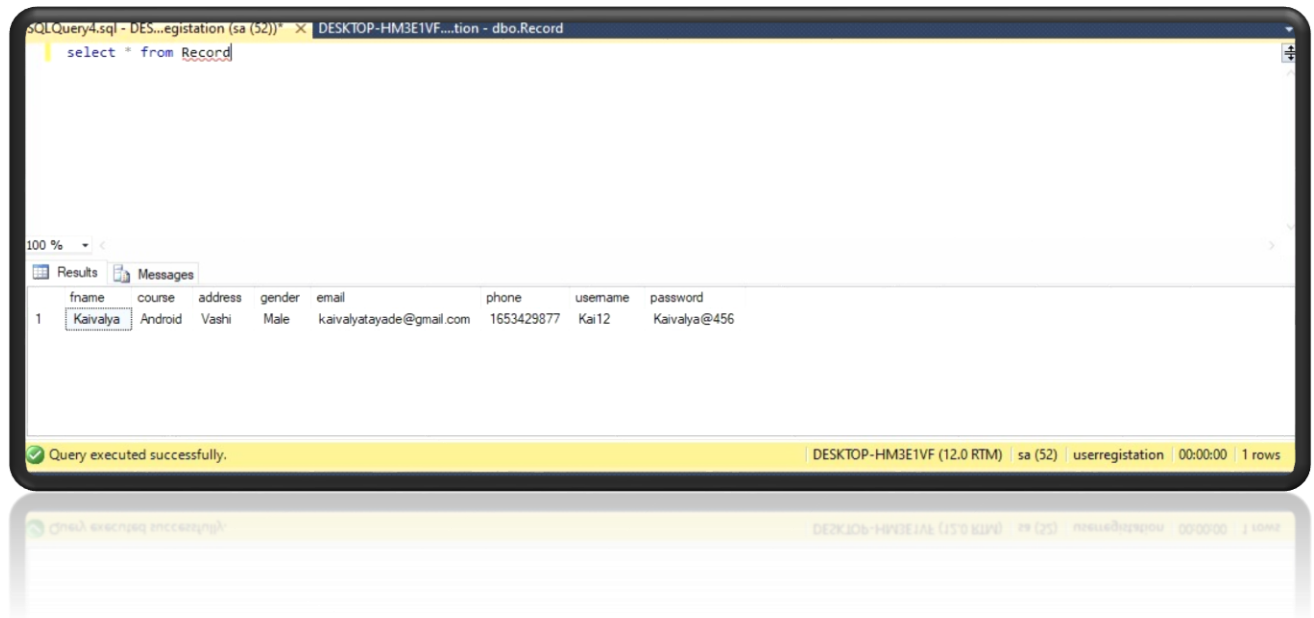
Field	Value
Name	Kaivalya
Address	Vashi
Email	kaivalyatayade@gmail.com
User Name	Kai12
Course	Android
Gender	Male
Phone No.	1653429877
Password	Kaivalya@456

Message

REGISTER SUCCESSFULLY

OK

- Data can stored in table(Record.dbo)



- Table

	fname	course	address	gender	email	phone	username	password
1	Kaivalya	Android	Vashi	Male	kaivalyatayade@gmail.com	1653429877	Kai12	Kaivalya@456

NOTE :

The zip file provided with this word file, Source code in reg.java file. & reg.java file is stored under Record.rar