

I/O Forms Design and Event Coding



CODING FOR ENTER BUTTON

```
new Entry().setVisible(true);
```

Welcome to Matrimonial

Enter Name: jack

Enter SurName: gonsalwas

Enter Age: 16

Interested In: Female (selected)

Gender: ☒ Male ☐ Female

Hobbies: dance : : :

Residency: ☒ Surat : ☐ Rajkot : ☐ Saurastra

Password: ***

Submit Login

```
public static String nm,sm,in,hb,r,p,d,pc,a,v,g;
```

CODING FOR SUMBIT BUTTON:

```
nm=jTextField1.getText();
```

```
sm=jTextField2.getText();
```

```
    a=jTextField3.getText();
```

```
in=(String)jComboBox1.getSelectedItem();
```

```
hb=jTextField4.getText();
```

```
if (jRadioButton1.isSelected())
```

```
    r="surat";
```

```
else if(jRadioButton2.isSelected())
```

```

        r="Rajkot";

else if(jRadioButton3.isSelected())

        r="Saurashtra";

        p=jPasswordField1.getText();

if(jRadioButton4.isSelected())

        g="male";

else

        g="female";

try {

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

        Connection

c=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/marriage","root","mysql");

        Statement s=null;

ResultSet r1=null;

        s=c.createStatement();

        r1=s.executeQuery("select * from dating");

s.executeUpdate("insert into dating
values('"+nm+"','"+sm+"','"+a+"','"+in+"','"+hb+"','"+r+"','"+p+"','"+
g+"')");

} catch (Exception e) {

```

```
}JOptionPane.showMessageDialog(null,"Added");
```

```
new profile().setVisible(true);
```

CODING FOR LOGIN BUTTON:

```
public static String nm,sm,in,hb,r,p,d,pc,a,v,g;
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEventevt) {
```

```
    d=JOptionPane.showInputDialog(null,"Enter name");
```

```
    pc=JOptionPane.showInputDialog(null,"Enter Password");
```

```
    try {
```

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

```
        Connection c=(Connection)
```

```
        DriverManager.getConnection("jdbc:mysql://localhost:3306/marriage","root","mysql");
```

```
        Statement s=null;
```

```
        ResultSet r1=null;
```

```
        s=c.createStatement();
```

```
        r1=s.executeQuery("select * from dating where name='"+d+"' and  
password='"+pc+"' ");
```

```
        while(r1.next())
```

```
        {
```

```
            new profile().setVisible(true);
```

```
nm=r1.getString(1);  
sm=r1.getString(2);  
    a=r1.getString(3);  
in=r1.getString(4);  
hb=r1.getString(5);  
    r=r1.getString(6);  
    g=r1.getString(8); }}  
catch (Exception e) {  
joptionpane.showMessageDialog(null,e.getMessage());}
```

CODING FOR WINDOW OPENED EVENT:

```
jTextArea1.setText("Name :"+ Entry.nm+"
                    "+Entry.sm+"\n"+"n"+"age
                    :"+Entry.a+"\n"+"n"+"Interestedin :"+
                    +Entry.in+"\n"+"n"+"Hobbies
                    :"+Entry.hb+"\n"+"
                    "\n"+"Gender:"+Entry.g+"\n"+" \
                    "\n"+"Residency:"+Entry.r);

jTextArea1.setEditable(false);
```

CODING FOR SEARCH BUTTON:

```
new probable_matc().setVisible(true);
```

CODING FOR EDIT BUTTON:

```
new Edit_Profile().setVisible(true);
```

CODING FOR BACK TO ENTRY BUTTON:

```
new Entry().setVisible(true);
```

Edit Profile

Name : jack gonsalwas

Replace From To

Surna... gonsalwas sundaram

Name	Surname	Age	Residency	Password
jack	sundaram	16	surat	123

Submit

Back to Entry

CODING FOR WINDOW OPENED EVENT:

```
String n= JOptionPane.showInputDialog(null,"Enter name");

String sr=JOptionPane.showInputDialog(null,"Enter surname");

String ne = null ,se = null,i = null,h = null,re = null,ar = null,ge=
null;

try {

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

Connection c=(Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/marriage","ro
ot","mysql");
```

```

        Statement s=null;

ResultSet r1=null;

        s=c.createStatement();

        r1=s.executeQuery("select * from dating where name='"+n+"' and
surname='"+sr+"' ");

while(r1.next()) {

new profile().setVisible(true);

ne=r1.getString(1);

se=r1.getString(2);

ar=r1.getString(3);

i=r1.getString(4);

        h=r1.getString(5);

re=r1.getString(6);

ge=r1.getString(8); } }

catch (Exception e) }

```

CODING FOR SUMBIT BUTTON:

```

public static String r3=Entry.nm;

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

    String r2=(String) jComboBox1.getSelectedItem();

    String f=jTextField1.getText();

```



```

String t=jTextField2.getText();

String n,su,a,r,p;

DefaultTableModel m=(DefaultTableModel)jTable1.getModel();

try {

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

    Connection
c=(Connection)DriverManager.getConnection("jdbc:mysql://localhost:33
06/marriage","root","mysql");

    Statement s=null;

ResultSet r1=null;

    s=c.createStatement();

int r4= s.executeUpdate("update dating set "+r2+"="+t+" where
name="+r3+"");

r1= s.executeQuery("select * from dating where name="+r3+"");

if(r1.next()) {

n=r1.getString(1);

su=r1.getString(2);

a=r1.getString(3);

r=r1.getString(6);

p=r1.getString(7);

m.addRow(new Object[]{n,su,a,r,p});

```

```
jTable1.setModel(m);}

if(r4==0)

JOptionPane.showMessageDialog(null, "try again");

Else

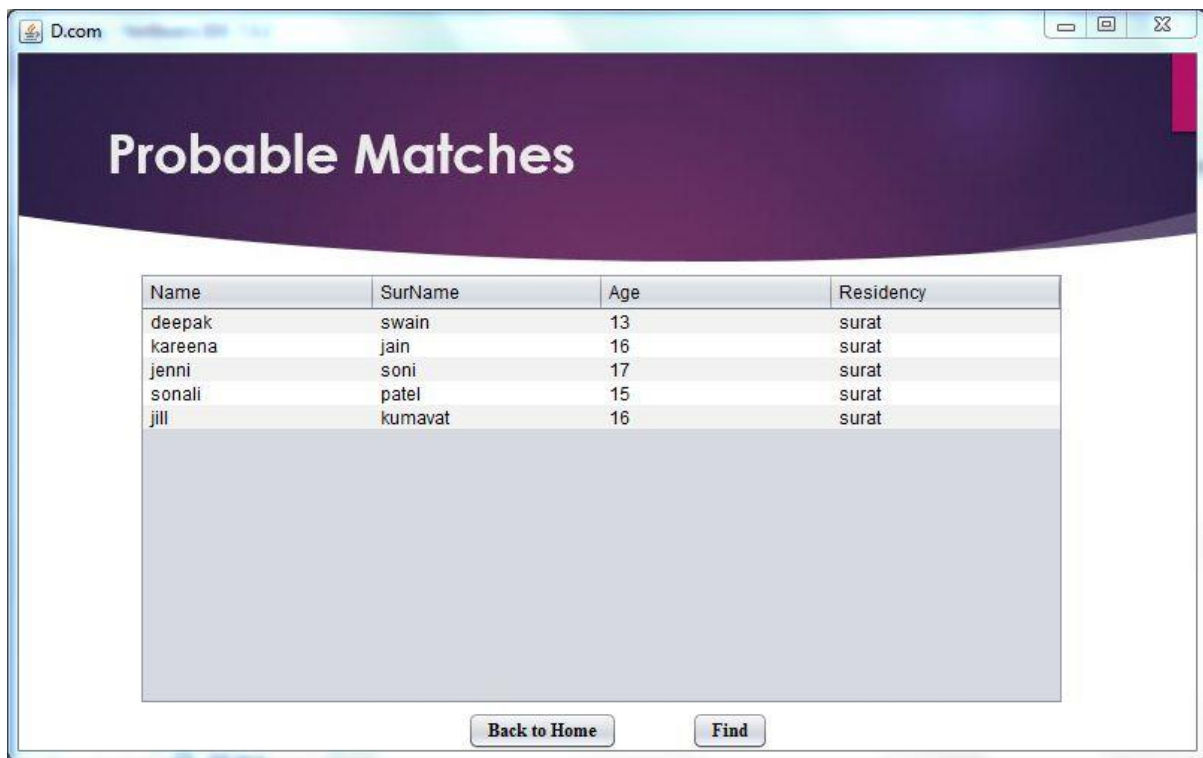
JOptionPane.showMessageDialog(null, "done");

    } catch (Exception e) {

JOptionPane.showMessageDialog(this, e.getMessage()); }
```

CODING FOR BACK TO ENTRY BUTTON:

```
new Entry().setVisible(true);
```



CODING FOR WINDOW OPENED EVENT:

```
String cm= Entry.hb;

String l=Entry.g;

String x= null;

if(l.equals("male"))

    x="Female";

else x="male";

String nm,sr,ag,r2;

DefaultTableModel m=(DefaultTableModel)jTable1.getModel();

try {

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

```

        Connection c=(Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/marriage","ro
ot","mysql");

        Statement s=null;

ResultSet r1=null;

        s=c.createStatement();

        r1=s.executeQuery("select * from dating where Hobbies='"+cm+"'
and gender='"+x+"'");

while(r1.next()) {

nm=r1.getString(1);

sr=r1.getString(2);

ag=r1.getString(3);

        r2=r1.getString(6);

m.addRow(new Object[]{nm,sr,ag,r2});

jTable1.setModel(m); } }

catch (Exception e) { }

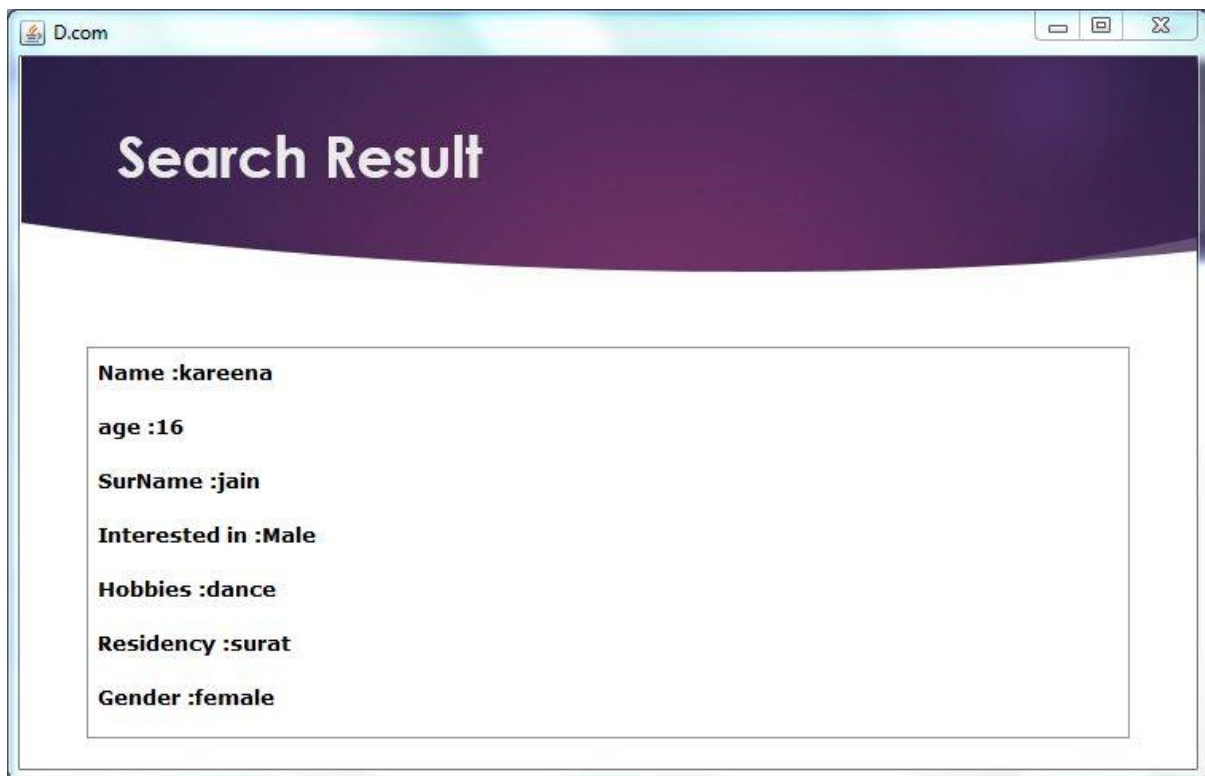
```

CODING FOR FIND BUTTON:

```
new Sresult().setVisible(true);
```

CODING FOR BACK TO HOME BUTTON:

```
new Entry().setVisible(true);
```



CODING FOR WINDOW OPENED EVENT

```
String n= JOptionPane.showInputDialog(null,"Enter name");

String sr=JOptionPane.showInputDialog(null,"Enter surname");

String ne = null ,se = null,i = null,h = null,re = null,ar = null,ge=
null;

try {

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

Connection c=(Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/marriage","ro
ot","mysql");

Statement s=null;
```

```
ResultSet r1=null;

        s=c.createStatement();

        r1=s.executeQuery("select * from dating where name='"+n+"' and
surname='"+sr+"' ");
while(r1.next()) {

new profile().setVisible(true);

ne=r1.getString(1);

se=r1.getString(2);

ar=r1.getString(3);

i=r1.getString(4);

        h=r1.getString(5);

re=r1.getString(6);

ge=r1.getString(8); } }

catch (Exception e) { }
```

SYSTEM DESIGN AND DEVELOPMENT

➤ Database Design:

An important aspect of system design is the design of data storage structure. To begin with a logical model of data structure is developed first. A database is a container object which contains tables, queries, reports and data validation policies enforcement rules or constraints etc. A logical data often represented as a records are kept in different tables after reducing anomalies and redundancies. The goodness of data base design lies in the table structure and its relationship.

```
+-----+
| Tables_in_marriage |
+-----+
| dating              |
+-----+
1 row in set (0.06 sec)
```

This software project maintains a database named Marriage which contains the table on the next page.

🚦 Table Design:

The database of D.COM system contains 1 table. The table is normalised to minimize the redundancies of data and enforcing the validation rules of the organization. The tables is designed to store master records. The table and its structure are given below:

```
mysql> DESC DATING;
```

Field	Type	Null	Key	Default	Extra
Name	varchar(20)	YES		NULL	
Surname	varchar(20)	YES		NULL	
Age	int(11)	YES		NULL	
Interested_in	varchar(10)	YES		NULL	
Hobbies	varchar(20)	YES		NULL	
Residency	varchar(20)	YES		NULL	
Password	varchar(20)	YES		NULL	
Gender	varchar(20)	YES		NULL	
Phone_No	int(12)	NO	PRI	NULL	

```
9 rows in set (0.02 sec)
```


FLOW CHART

