



इंदिरा गांधी राष्ट्रीय मुक्त विश्वविद्यालय
मैदान गढ़ी, नई दिल्ली - 110068
Indira Gandhi National Open University
Maidan Garhi, New Delhi - 110068



IGNOU - Student Identity Card

Enrolment Number : 2001235235

RC Code : 38: DELHI 3 (DWARKA)

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Palak

Instructions :

1. This card should be produced on demand at the Study Center, Examination Center or any other Establishment of IGNOU to use its facilities.
2. The facilities would be available only relating to the Programme/course for which the student is registered.
3. This ID Card is generated online. Students are advised to take a color print of this ID Card and get it laminated.
4. The student details can be cross-checked with the QR Code at www.ignou.ac.in

Registrar
Student Registration Division

IMPLEMENTAION AND TESTING CODE

Coding Details

User Login

```
import javax.swing.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
public class UserLogin extends JFrame implements ActionListener
{
    JLabel l1,l2,lbl;
    String s1,s2,s3;
    JTextField t1;
    JPasswordField p1;
    JPanel p,pt;
    JButton ok,cancle;
    public UserLogin()
    {
        setTitle(" USER LOGIN ");
        p=new JPanel();
        pt=new JPanel();
        lbl=new JLabel("Login . . .");
        l1=new JLabel("Enter username");
        l2=new JLabel("Enter password");
        t1=new JTextField(10);
        p1=new JPasswordField(10);
        ok=new JButton("OK");
        cancle=new JButton("CANCLE");
        GridBagLayout gbag=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        p.setLayout(gbag);
        pt.setLayout(gbag);
        gbc.gridx=0;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(lbl,gbc);
        pt.add(lbl);

        gbc.gridx=1;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(l1,gbc);
        p.add(l1);
```

```
gbc.gridx=1;
```

```

gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t1,gbc);
p.add(t1);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(p1,gbc);
p.add(p1);
gbc.gridx=6;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(ok,gbc);
p.add(ok);
gbc.gridx=8;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(cancle,gbc);
p.add(cancle);
getContentPane().add(p);
Color color=new Color(150,200,200);
p.setBackground(color);

```

```

setSize(400,200);
setVisible(true);
setLocation(400,400);
ok.addActionListener(this);
cancle.addActionListener(this);
}

```

```

public void actionPerformed(ActionEvent ae)
{
    if (ae.getSource()==ok)
    {
        try
        {
            Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
            Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
            String q="select count(*) from Bank_Admin where UserName='"+t1.getText()+"'
            and Password='"+new String(p1.getPassword())+"'";
            Statement st=con.createStatement();

```

```
ResultSet rs=st.executeQuery(q);
rs.next();
if(rs.getInt(1)==0)
{
JOptionPane.showMessageDialog(this,"INVALID PASSWORD");
p1.setText("");
}
else
{
new HomePage();
}
}

catch(Exception e) {}
}
this.dispose();

if (ae.getSource()==cancle)
{
System.exit(0);
}
}

public static void main(String args[])
{
UserLogin sl=new UserLogin();
}
}
```

Home Page

```
import javax.swing.*;
import java.awt.BorderLayout;
import java.awt.Color;
import java.awt.Container;
import java.awt.GridBagConstraints;
import java.awt.GridBagLayout;
import java.awt.Insets;
import java.awt.event.*;
import java.awt.*;

public class HomePage extends JFrame implements ActionListener
{
    JFrame f=new JFrame(" ONLINE BANKING SYSTEM ");
    JMenuBar bar;
    JPanel p,p1,pL;
    JMenu Admin,Account,Transaction,Master,Report;
    JMenuItem
    BnkLog,OpnDetails,ModBnkLog,ModAdmLog,Ext,ChqBkEnt,NomiEnt,NewEnt
    r,DepMon,WDM,FixDep,DDMk,RepTrans,RepAcc,RepChkBk,RepDD,RepFixd
    Dep;

    public HomePage()
    {
        bar=new JMenuBar();
        f.setVisible(true);
        f.setLocation(400,300);
        f.setSize(600,400);
        f.setJMenuBar(bar);
        Admin=new JMenu("Admin");
        Account=new JMenu("Accounts");
        Transaction=new JMenu("Transaction");
        Master=new JMenu("Master");
        Report=new JMenu("Report");
        bar.add(Admin);
        bar.add(Account);
        bar.add(Transaction);
        bar.add(Master);
        bar.add(Report);
        BnkLog=new JMenuItem("Create Bank Login");
        OpnDetails=new JMenuItem("Open Details");
        ModBnkLog=new JMenuItem("Modify Bank Login");
        ModAdmLog=new JMenuItem("Modify Admin Login");
        Ext=new JMenuItem("Exit");
        ChqBkEnt=new JMenuItem("Cheque Book Entry");
```

```
NomiEnt=new JMenuItem("Nominee Entry");
NewEntr=new JMenuItem("Create New Entry");
DepMon=new JMenuItem("Deposit Money");
WDM=new JMenuItem("Withdraw Money");
FixDep=new JMenuItem("Fixed Deposit");
DDMk=new JMenuItem("Demand Draft Making");
RepTrans=new JMenuItem("Transaction Report");
RepAcc=new JMenuItem("Account Report");
RepChkBk=new JMenuItem("Cheque Book Report");
RepDD=new JMenuItem("DD Report");
RepFixdDep=new JMenuItem("Fixed Deposit");
```

```
Admin.add(BnkLog);
Admin.addSeparator();
Admin.add(OpnDetails);
Admin.add(ModBnkLog);
Admin.add(ModAdmLog);
Admin.add(Ext);
Account.add(NewEntr);
Account.addSeparator();
Account.add(ChqBkEnt);
Account.add(NomiEnt);
Transaction.add(DepMon);
Transaction.add(WDM);
Master.add(FixDep);
Master.add(DDMk);
Report.add(RepTrans);
Report.add(RepAcc);
Report.add(RepChkBk);
Report.add(RepDD);
Report.add(RepFixdDep);
BnkLog.addActionListener(this);
OpnDetails.addActionListener(this);
ModBnkLog.addActionListener(this);
ModAdmLog.addActionListener(this);
Ext.addActionListener(this);
ChqBkEnt.addActionListener(this);
NomiEnt.addActionListener(this);
NewEntr.addActionListener(this);
DepMon.addActionListener(this);
WDM.addActionListener(this);
FixDep.addActionListener(this);
DDMk.addActionListener(this);
RepTrans.addActionListener(this);
RepAcc.addActionListener(this);
RepChkBk.addActionListener(this);
```

```
RepDD.addActionListener(this);
RepFixdDep.addActionListener(this);
```

```
p=new JPanel();
p1=new JPanel();
```

```
Container cp = f.getContentPane();
cp.add(p, BorderLayout.NORTH);
```

```
GridLayout grid=new GridLayout();
p1.setLayout(grid);
// p1.setBackground(Color.cyan);
f.add(p1);
```

```
}
```

```
public void actionPerformed(ActionEvent ae)
{
    if(BnkLog==ae.getSource())
        new BankLogin();
    if(ModBnkLog==ae.getSource())
        new ModiBnkUser();
    if(ModAdmLog==ae.getSource())
        new ChangePass();
    if(ChqBkEnt==ae.getSource())
        new ChqBkEnt();
    if(NomiEnt==ae.getSource())
        new NomineeInfo();
    if(NewEntr==ae.getSource())
        new CrtNewAcc();
    if(DepMon==ae.getSource())
        new Deposit();
    if(WDM==ae.getSource())
        new WithDraw();
    if(FixDep==ae.getSource())
        new FDEntry();
    if(DDMk==ae.getSource())
        new DDEntry();
    if(RepTrans==ae.getSource())
        new TransReport();
    if(RepAcc==ae.getSource())
        new AccReport();
    if(RepChkBk==ae.getSource())
        new ChkBookReport();
}
```



```
if(RepDD==ae.getSource())
new DDReport();
if(RepFixdDep==ae.getSource())
new FDReport();
if(Ext==ae.getSource())
{
JOptionPane.showMessageDialog(this,"Are You Sure To LogOut","Good
Bye",JOptionPane.NO_OPTION);
System.exit(0);
}

}

public static void main(String args[])
{
new HomePage();
}
}
```

Create New Account

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;

public class CrtNewAcc extends JFrame implements ActionListener,ItemListener
{
    JLabel L,l1,l2,l3,l4,l5,l6,l7,l8,l9,l10,l11,l12,l13,l14,l15,l16,l17;
    JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11;
    JButton save,cancel,nominee;
    JPanel pT,pL,pR,pB;
    JFrame frame;
    JCheckBox ch1,ch2;
    Font fnt,fnt1;
    static int AccNo=5500;
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;
    JComboBox comAT1,comAT2,IntTyp;
    String minor,chlss;

    public CrtNewAcc()
    {
        L=new JLabel(" Create New Account ");

        l1=new JLabel("ACCOUNT INFORMATION->> :");
        l2=new JLabel("Account Type :");
        l3=new JLabel("A/c Holder Name. :");
        l4=new JLabel("Address :");
        l5=new JLabel("City :");
        l6=new JLabel("Contact No. :");
        l7=new JLabel("Opening Balance :");
        l8=new JLabel("Date of Birth :");
        l9=new JLabel("Opening Date:");

        l11=new JLabel("INTRODUSER INFORMATION->> :");
        l12=new JLabel("Introduser Type:");
        l13=new JLabel("Account No.");
        l14=new JLabel("Name :");
        l15=new JLabel("Account Type :");
        l16=new JLabel("Checked By :");
        l17=new JLabel("Address :");

        t1=new JTextField(12);
        t2=new JTextField(12);
        t3=new JTextField(12);
```

```
t4=new JTextField(12);
t5=new JTextField(12);
t6=new JTextField(12);
t7=new JTextField(12);
t8=new JTextField(12);
t9=new JTextField(12);
t10=new JTextField(12);
t11=new JTextField(12);
```

```
ch1=new JCheckBox("Check Book Issue");
ch2=new JCheckBox("Is Minor ?");
```

```
comAT1=new JComboBox();
comAT1.addItem(" ");
comAT1.addItem("Saving");
comAT1.addItem("Current");
comAT2=new JComboBox();
comAT2.addItem(" ");
comAT2.addItem("Saving");
comAT2.addItem("Current");
IntTyp=new JComboBox();
IntTyp.addItem("----- ");
IntTyp.addItem("Parents");
IntTyp.addItem("Relative");
IntTyp.addItem("Friend");
IntTyp.addItem("Family");
IntTyp.addItem("Neighbour");
```

```
pT = new JPanel();
pT.setBackground(Color.pink);
fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
pT.add(L);
```

```
pB = new JPanel();
nominee=new JButton("Nominee Information");
save=new JButton("Create Account");
cancle=new JButton("Cancle");
pB.setBackground(Color.cyan);
pB.add(ch1);
pB.add(ch2);
pB.add(nominee);
pB.add(save);
pB.add(cancle);
```

```
pR = new JPanel();
```

```
Color color=new Color(254,254,208);  
pR.setBackground(color);
```

```
pL = new JPanel();  
pL.setBackground(Color.LIGHT_GRAY);  
GridBagLayout gbag=new GridBagLayout();  
GridBagConstraints gbc=new GridBagConstraints();  
pL.setLayout(gbag);  
pR.setLayout(gbag);  
gbc.gridx=1;//Accy Information  
gbc.gridy=1;  
gbc.insets=new Insets(5,5,5,5);  
fnt1=new Font("Century",Font.BOLD,12);  
l1.setFont(fnt1);  
gbag.setConstraints(l1,gbc);  
pL.add(l1);
```

```
gbc.gridx=1;//Acc Type  
gbc.gridy=5;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(l2,gbc);  
pL.add(l2);  
gbc.gridx=5;  
gbc.gridy=5;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(comAT1,gbc);  
pL.add(comAT1);  
gbc.gridx=10;  
gbc.gridy=5;  
gbc.insets=new Insets(5,5,5,5);// Acc No.  
gbag.setConstraints(l3,gbc);  
pL.add(l3);  
gbc.gridx=15;  
gbc.gridy=5;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(t1,gbc);  
pL.add(t1);  
gbc.gridx=1;//Acc holder name  
gbc.gridy=10;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(l4,gbc);  
pL.add(l4);  
gbc.gridx=5;  
gbc.gridy=10;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(t2,gbc);
```

```
pL.add(t2);

gbc.gridx=1;//Address
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l5,gbc);
pL.add(l5);
gbc.gridx=5;
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t3,gbc);
pL.add(t3);
gbc.gridx=1;//City
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l6,gbc);
pL.add(l6);
gbc.gridx=5;
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
pL.add(t4);
gbc.gridx=10;//Contact No.
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l7,gbc);
pL.add(l7);
gbc.gridx=15;
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t5,gbc);
pL.add(t5);
gbc.gridx=1;//Date of Birth
gbc.gridy=25;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l8,gbc);
pL.add(l8);
gbc.gridx=5;
gbc.gridy=25;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t6,gbc);
pL.add(t6);
gbc.gridx=10;//OpnBal
gbc.gridy=25;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l9,gbc);
```

```

pL.add(l9);
gbc.gridx=15;
gbc.gridy=25;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t7,gbc);
pL.add(t7);
//panel Right
gbc.gridx=1; //Introduser Info.
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
fnt1=new Font("Century",Font.BOLD,12);
l11.setFont(fnt1);
gbag.setConstraints(l11,gbc);
pR.add(l11);

```

```

gbc.gridx=1; //Intro type
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l12,gbc);
pR.add(l12);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(IntTyp,gbc);
pR.add(IntTyp);
gbc.gridx=10; //Acc No.
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l13,gbc);
pR.add(l13);
gbc.gridx=15;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t8,gbc);
pR.add(t8);
gbc.gridx=1; // Name.
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l14,gbc);
pR.add(l14);
gbc.gridx=5;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t9,gbc);
pR.add(t9);
gbc.gridx=1; // AccType.

```

```

gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(115,gbc);
pR.add(115);
gbc.gridx=5;
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(comAT2,gbc);
pR.add(comAT2);
gbc.gridx=10;// Checked by.
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(116,gbc);
pR.add(116);
gbc.gridx=15;
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t10,gbc);
pR.add(t10);
gbc.gridx=1;// Address
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(117,gbc);
pR.add(117);
gbc.gridx=5;
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t11,gbc);
pR.add(t11);

getContentPane().add(pL);
getContentPane().add(pR);

frame = new JFrame(" Create New Account ");
Container cp = frame.getContentPane();
cp.add(pT,BorderLayout.NORTH);
cp.add(pB,BorderLayout.SOUTH);
cp.add(pL,BorderLayout.WEST);
cp.add(pR,BorderLayout.CENTER);

frame.pack();
frame.setLocation(20,400);
frame.setVisible(true);

nominee.addActionListener(this);
save.addActionListener(this);

```

```

cancle.addActionListener(this);
ch1.addItemListener(this);
ch2.addItemListener(this);

}
public void itemStateChanged(ItemEvent ie)
{
if(ie.getSource()==ch1)
{
chbIss="yes";
new ChqBkEnt();
}else
{
chbIss="No";
}
if(ie.getSource()==ch2)
{
JOptionPane.showMessageDialog(this,"Minor Entry", "Information
Message",JOptionPane.INFORMATION_MESSAGE);
minor="yes";
}
else
{
minor="No";
}
}

public void actionPerformed(ActionEvent ae)
{
if (ae.getSource()==save)
{
if((t1.getText().equals(""))||(t2.getText().equals(""))||(t3.getText().equals(""))||(t4.
getText().equals(""))||(t5.getText().equals(""))||(t6.getText().equals(""))||(t7.getTe
xt().equals(""))||(t8.getText().equals(""))||(t9.getText().equals("")))
JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");

if(minor=="yes")
{

```



```

PreparedStatement ps=con.prepareStatement("insert into Minor
values(?,?,?,?,?,?,?,?,?)");
ps.setInt(1,(AccNo));
ps.setString(2,t6.getText());
ps.setString(3,(t1.getText()));
ps.setString(4,(t2.getText()));
ps.setString(5,(t3.getText()));
ps.setString(6,(t4.getText()));

}
else
{
// Master Entry
PreparedStatement ps=con.prepareStatement("insert into Account_Master
values(?,?,?,?,?,?,?,?,?)");
ps.setInt(1,(AccNo));
ps.setString(2,String.valueOf(comAT1.getSelectedItem()));
ps.setString(3,(t1.getText()));
ps.setString(4,(t2.getText()));
ps.setString(5,(t4.getText()));
ps.setString(6,(minor));
ps.setString(7,(chbIss));
ps.setInt(8,Integer.parseInt(t5.getText()));//opn bal
ps.setString(9,(t7.getText()));//opn date
ps.setString(10,(t10.getText()));
ps.setString(11,String.valueOf(IntTyp.getSelectedItem()));
x=ps.executeUpdate();
}
/// Introducer Entry
Connection con2=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement psIntro=con2.prepareStatement("insert into Ac_Introducer
values(?,?,?,?,?,?)");
psIntro.setInt(1,(AccNo));
psIntro.setString(2,String.valueOf(IntTyp.getSelectedItem()));
psIntro.setString(3,(t9.getText()));
psIntro.setString(4,String.valueOf(comAT2.getSelectedItem()));
psIntro.setString(5,(t8.getText()));
psIntro.setString(6,(t10.getText()));
psIntro.setString(7,(t11.getText()));
x=psIntro.executeUpdate();

if(x==0)
JOptionPane.showMessageDialog(this,"No Row is Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else

```

```

JOptionPane.showMessageDialog(this,AccNo,"Account Created- Acc. no.
is",JOptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e,"Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
t3.setText("");
t4.setText("");
t5.setText("");
t6.setText("");
t7.setText("");
t8.setText("");
t9.setText("");
t10.setText("");
t11.setText("");
}
AccNo++;
}

if(ae.getSource()==nominee)
new NomineeInfo();
if(ae.getSource()==candle)
frame.setVisible(false);
}

public static void main(String args[])
{
new CrtNewAcc();
}
}

```

Loan Login

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
public class BankLogin extends JFrame implements ActionListener
{
    JLabel L,l1,l2,l3,l4,l5,l6,l7,l8;
    JTextField t1,t4,t5,t6,t7;
    JPasswordField pt2,pt3;
    JButton save,close;
    JPanel p0,p,p1;
    JFrame frame;
    Font fnt;
    static int id=700;
    String s1,s2;
    String s=" ";
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;
    JComboBox com;
    public BankLogin()
    {
        p=new JPanel();
        L=new JLabel(" Bank Login ");
        l1=new JLabel("User Name :");
        l2=new JLabel("Password :");
        l3=new JLabel("Confirm Password :");
        l4=new JLabel("Address :");
        l5=new JLabel("City :");
        l6=new JLabel("Phone :");
        l7=new JLabel("Email ID :");
        l8=new JLabel("User Type :");

        t1=new JTextField(12);
        pt2=new JPasswordField(12);
        pt3=new JPasswordField(12);
        t4=new JTextField(12);
        t5=new JTextField(12);
        t6=new JTextField(12);
        t7=new JTextField(12);

        com=new JComboBox();
        com.addItem("----- ");
        com.addItem(" Admin");
        com.addItem(" User");
        save=new JButton("Save");
```

```
close=new JButton("CLose");
GridBagLayout gbag=new GridBagLayout();
GridBagConstraints gbc=new GridBagConstraints();
p.setLayout(gbag);
```

```
gbc.gridx=1;
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l1,gbc);
p.add(l1);
gbc.gridx=5;
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t1,gbc);
p.add(t1);
```

```
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(pt2,gbc);
```

```
p.add(pt2);
gbc.gridx=1;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=5 ;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(pt3,gbc);
p.add(pt3);
```

```
gbc.gridx=1;
gbc.gridy=13;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=13 ;
gbc.insets=new Insets(5,5,5,5);
```

```
gbag.setConstraints(t4,gbc);
p.add(t4);
gbc.gridx=1;
gbc.gridy=17;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l5,gbc);
p.add(l5);
gbc.gridx=5;
gbc.gridy=17 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t5,gbc);
p.add(t5);
gbc.gridx=1;
gbc.gridy=21;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l6,gbc);
p.add(l6);
gbc.gridx=5;
gbc.gridy=21 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t6,gbc);
p.add(t6);
gbc.gridx=1;
gbc.gridy=25;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l7,gbc);
p.add(l7);
gbc.gridx=5;
gbc.gridy=25 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t7,gbc);
p.add(t7);
gbc.gridx=1;
gbc.gridy=29;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l8,gbc);
p.add(l8);
gbc.gridx=5;
gbc.gridy=29 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(com,gbc);
p.add(com);
getContentPane().add(p);

p0 = new JPanel();
p0.setBackground(Color.pink);
```

```
fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
p0.add(L);
```

```
p1 = new JPanel();
p1.setBackground(Color.cyan);
p1.add(save);
p1.add(close);
```

```
frame = new JFrame(" Bank Login ");
Container cp = frame.getContentPane();
cp.add(p0,BorderLayout.NORTH);
cp.add(p,BorderLayout.CENTER);
cp.add(p1,BorderLayout.SOUTH);
```

```
frame.pack();
frame.setLocation(400,300);
frame.setSize(500,500);
Rectangle bounds = new Rectangle(400,300,500,500);
frame.setMaximizedBounds(bounds);
frame.setVisible(true);
```

```
Color color=new Color(254,254,208);
p.setBackground(color);
```

```
save.addActionListener(this);
close.addActionListener(this);
```

```

}
public void actionPerformed(ActionEvent ae)
{
if (ae.getSource()==save)
{
if((t1.getText().equals(""))||(pt2.getPassword().equals(""))||(pt3.getPassword().equals(""))||(t4.getText().equals(""))||(t5.getText().equals(""))||(t6.getText().equals(""))||(t7.getText().equals("")))
JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information Message",JOptionPane.INFORMATION_MESSAGE);
else
{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
```

```
PreparedStatement ps=con.prepareStatement("insert into Bank_Login  
values(?,?,?,?,?,?,?)");
```

```
ps.setString(1,(t1.getText()));  
s1=String.valueOf(pt2.getPassword());  
s2=String.valueOf(pt3.getPassword());  
ps.setString(2,(s2));  
ps.setString(3,(t4.getText()));  
ps.setString(4,(t5.getText()));  
ps.setString(5,(t6.getText()));  
ps.setString(6,(t7.getText()));  
ps.setString(7,String.valueOf(com.getSelectedItem()));  
ps.setInt(8,(id));  
if(s1.equals(s2))  
{  
ps.setString(2,(s2));  
}  
else  
{  
}  
catch(Exception e)  
{  
JOptionPane.showMessageDialog(this,e,"Information  
Message",JOptionPane.INFORMATION_MESSAGE);  
}  
t1.setText("");  
pt2.setText("");  
pt3.setText("");  
t4.setText("");  
t5.setText("");  
t6.setText("");  
t7.setText("");  
id++;  
}  
}  
if(ae.getSource()==close)  
frame.setVisible(false);  
}
```

```
public static void main(String args[])  
{  
new BankLogin();  
}  
}
```

Account Report

```
import javax.swing.*;
import javax.swing.table.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
class AccReport extends JFrame implements ActionListener,Runnable
{
    JPanel P,P1,P2;
    JButton GetData,Print,Cancle,search;
    JLabel C_Date,C_Time;
    JTable t;
    JScrollPane scrollpane;
    Thread Th;
    public AccReport()
    {
        super(" Account Report ");
        P = new JPanel();
        P1=new JPanel();
        P2=new JPanel();
        P.setLayout(new BorderLayout());
        C_Date=new JLabel("");
        C_Time=new JLabel("");
        Cancle=new JButton("CANCLE");
        Print=new JButton("PRINT");
        GetData=new JButton("GET DATA");
        search=new JButton("Search Records");
        getContentPane().add(P);
        GridBagLayout gb=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        gbc.anchor=GridBagConstraints.NORTHWEST;
        P1.setLayout(gb);
        gbc.gridx=0;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Date, gbc);
        P1.add(C_Date);
        gbc.gridx=1;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Time, gbc);
        P1.add(C_Time);

        P.add(P1,"North");
        P2.add(GetData);
```



```

P2.add(Print);
P2.add(Cancle);
P.add(P2,"South");
setSize(475,400);
setLocation(200,50);
setVisible(true);
validate();
P.setBackground(Color.pink);
P1.setBackground(Color.cyan);
P2.setBackground(Color.green);
GetData.addActionListener(this);
Print.addActionListener(this);
Cancle.addActionListener(this);
Th=new Thread(this);
Th.start();
}
public void run()
{
while(true)
{
try {
showTime();
Th.sleep(1000);
}
catch(Exception e)
{
}
}
}
public void showTime()
{
java.util.Date d =new java.util.Date();
java.util.Calendar g = new java.util.GregorianCalendar();
g.setTime(d);
String Dstr="DATE:
"+(1+g.get(java.util.Calendar.MONTH))+"/"+g.get(java.util.Calendar.DATE)+"/"
+g.get(java.util.Calendar.YEAR);
C_Date.setText(Dstr);
String Tstr="TIME:
"+g.get(java.util.Calendar.HOUR)+":"+g.get(java.util.Calendar.MINUTE)+":"+g.
get(java.util.Calendar.SECOND);
C_Time.setText(Tstr);
}

public void actionPerformed(ActionEvent Ae)
{

```

```

if(Ae.getSource()==GetData)
{
P.setVisible(true);
P.validate();
MyTableModel m=new MyTableModel();
t=new JTable(m);
scrollpane=new JScrollPane(t);
P.add("Center",scrollpane);
P.setVisible(true);
P.validate();
}
if(Ae.getSource()==Print)
{
PrintUtilities.printComponent(P); ///// Print Dialog Box
}
if(Ae.getSource()==Cancle)
{
this.setVisible(false);
//new Item_Info();
}
} //actionPerformed...

```

```

class MyTableModel extends AbstractTableModel
{
Vector v1,v2,v3,v4,v5,v6,v7,v8,v9,v10;
public MyTableModel()
{
v1=new Vector();
v2=new Vector();
v3=new Vector();
v4=new Vector();
v5=new Vector();
v6=new Vector();
v7=new Vector();
v8=new Vector();
v9=new Vector();
v10=new Vector();
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from Account_Master";
Statement st=con.createStatement();
ResultSet r=st.executeQuery(q);
while(r.next())
{
v1.addElement(r.getString(1));

```

```

v2.addElement(r.getString(2));
v3.addElement(r.getString(3));
v4.addElement(r.getString(4));
v5.addElement(r.getString(5));
v6.addElement(r.getString(6));
v7.addElement(r.getString(7));
v8.addElement(r.getString(8));
v9.addElement(r.getString(9));
v10.addElement(r.getString(10));

}
}
catch(Exception ex)
{
}
} //constuctor
public int getColumnCount()
{
return 11;
}
public String getColumnName(int c)
{
System.out.print(c);
String s="";
switch(c)
{
case 0: s=" Acc No.";
break;
case 1: s="Acc Type ";
break;
case 2: s="Name ";
break;
case 3: s="Address";
break;
case 4: s="Phone ";
break;
case 5: s="Minor ";
break;
case 6: s="Chq.Book Iss.";
break;
case 7: s="Balance";
break;
case 8: s="A/c Open Date";
break;
case 9: s="Verified By";
break;

```

```

case 10: s="Intro. Type";
break;
}
System.out.println(s);
return s;
}
public int getRowCount()
{
return v1.size();
}
public Object getValueAt(int r,int c)
{
switch(c)
{
case 0: return v1.elementAt(r);
case 1: return v2.elementAt(r);
case 2: return v3.elementAt(r);
case 3: return v4.elementAt(r);
case 4: return v5.elementAt(r);
case 5: return v6.elementAt(r);
case 6: return v7.elementAt(r);
case 7: return v8.elementAt(r);
case 8: return v9.elementAt(r);
case 9: return v10.elementAt(r);
}
return "";
}
}
public static void main(String x[])
{
new AccReport();
}
}

```

Change Password

```

import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
public class ChangePass extends JFrame implements ActionListener
{
JLabel l1,l2,l3,l4,l5;
JTextField t1;
JButton ok,cancel;
JPanel p;
JPasswordField p1,p2,p3;

```

```

String s1,s2,s3,s4,s5;
String s=" ";
int x=0,y=0,z=0,k=0,m1=0,m2=0,m3=0;
public ChangePass()
{
    setTitle(" CHANGE PASSWORD INFORMATION ");
    p=new JPanel();
    l1=new JLabel(" User Name");
    l2=new JLabel(" Enter Old Password");
    l3=new JLabel(" Enter New Password ");
    l4=new JLabel(" Re Enter Password ");
    t1=new JTextField(11);
    p1=new JPasswordField(11);
    p2=new JPasswordField(11);
    p3=new JPasswordField(11);
    ok=new JButton(" OK ");
    cancel=new JButton("CANCEL ");
    GridBagLayout gbag=new GridBagLayout();
    GridBagConstraints gbc=new GridBagConstraints();
    p.setLayout(gbag);
    gbc.gridx=1;
    gbc.gridy=1;
    gbc.insets=new Insets(5,5,5,5);
    gbag.setConstraints(l1,gbc);
    p.add(l1);
    gbc.gridx=5;
    gbc.gridy=1;
    gbc.insets=new Insets(5,5,5,5);
    gbag.setConstraints(t1,gbc);
    p.add(t1);
    gbc.gridx=1;
    gbc.gridy=5;
    gbc.insets=new Insets(5,5,5,5);
    gbag.setConstraints(l2,gbc);
    p.add(l2);
    gbc.gridx=5;
    gbc.gridy=5;
    gbc.insets=new Insets(5,5,5,5);
    gbag.setConstraints(p1,gbc);
    p.add(p1);
    gbc.gridx=1;
    gbc.gridy=9;
    gbc.insets=new Insets(5,5,5,5);
    gbag.setConstraints(l3,gbc);
    p.add(l3);
    gbc.gridx=5;

```

```

gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(p2,gbc);
p.add(p2);
gbc.gridx=1;
gbc.gridy=13;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=13;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(p3,gbc);
p.add(p3);
gbc.gridx=8;
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(ok,gbc);
p.add(ok);
gbc.gridx=12;
gbc.gridy=20;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(cancel,gbc);
p.add(cancel);
getContentPane().add(p);
setVisible(true);
setSize(600,400);
setLocation(250,250);
Color color=new Color(61,193,177);
p.setBackground(color);
ok.addActionListener(this);
cancel.addActionListener(this);
}
public void actionPerformed(ActionEvent ae)
{
if (ae.getSource()==ok)
{
if(((t1.getText().equals(""))||(p1.getText().equals(""))||(p2.getText().equals(""))||(p
3.getText().equals(""))))
JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
{
s1=String.valueOf(p2.getPassword());
s2=String.valueOf(p3.getPassword());
if(s1.equals(s2))

```

```

{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("update Bank_Login set
password='"+new String(p2.getPassword())+"'");
ps.executeUpdate();
JOptionPane.showMessageDialog(this,"Your Password is changed");
}
catch(Exception e) {}
}
else
{
JOptionPane.showMessageDialog(this,"Re-enter Password not matched with new
Password");
}
}
}
if (ae.getSource()==cancel)
{
setVisible(false);
}
}
public static void main(String args[])
{
ChangePass ob=new ChangePass();
}
}

```

LoanEMI

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
public class ChqBkEnt extends JFrame implements ActionListener
{
    JLabel L,l1,l2,l3,l4;
    JTextField t1,t2,t3,t4;
    JButton issue,cancel;
    JPanel p0,p1;
    JFrame frame;
    Font fnt;
    String s1,s2,s3,s4,s5,s6;
    String s="";
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;

    public ChqBkEnt()
    {
        p=new JPanel();
        L=new JLabel("Issue Cheque Book ->> ");

        l1=new JLabel("A/c Number :");
        l2=new JLabel("Start Cheque No. :");
        l3=new JLabel("End Cheque No. :");
        l4=new JLabel("Issue Date :");

        t1=new JTextField(12);
        t2=new JTextField(12);
        t3=new JTextField(12);
        t4=new JTextField(12);

        issue=new JButton("Add");
        cancel=new JButton("Cancel");

        GridBagLayout gbag=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        p.setLayout(gbag);

        gbc.gridx=1;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(l1,gbc);
        p.add(l1);
        gbc.gridx=5;
```



```
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t1,gbc);
p.add(t1);
```

```
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t2,gbc);
p.add(t2);
gbc.gridx=1;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=5 ;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t3,gbc);
p.add(t3);
gbc.gridx=1;
gbc.gridy=13;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=13 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
p.add(t4);
getContentPane().add(p);
```

```
p0 = new JPanel();
p0.setBackground(Color.pink);
fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
p0.add(L);
```

```
p1 = new JPanel();
p1.setBackground(Color.cyan);
p1.add(issue);
```

```

p1.add(cancel);
frame = new JFrame(" Issue Cheque Book ");
Container cp = frame.getContentPane();
cp.add(p0, BorderLayout.NORTH);
cp.add(p, BorderLayout.CENTER);
cp.add(p1, BorderLayout.SOUTH);

frame.pack();
frame.setLocation(400,300);
frame.setSize(450,400);
Rectangle bound =new Rectangle(400,300,450,400);
frame.setMaximizedBounds(bound);
frame.setVisible(true);

Color color=new Color(254,254,208);
p.setBackground(color);

issue.addActionListener(this);
cancel.addActionListener(this);

}
public void actionPerformed(ActionEvent ae)
{
if (ae.getSource()==issue)
{
if((t1.getText().equals(""))||(t2.getText().equals(""))||(t3.getText().equals(""))||(t4.
getText().equals("")))
JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("insert into Cheque_Book
values(?,?,?,?)");

ps.setString(1,(t1.getText()));
ps.setString(2,(t2.getText()));
ps.setString(3,(t3.getText()));
ps.setString(4,(t4.getText()));
x=ps.executeUpdate();

if(x==0)

```

```

JOptionPane.showMessageDialog(this,"No Row is Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
JOptionPane.showMessageDialog(this,"Cheque Book Issued","Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e,"Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
t3.setText("");
t4.setText("");
}
}

if(ae.getSource()==cancle)
frame.setVisible(false);
}

public static void main(String args[])
{
new ChqBkEnt();
}
}

```

Loan Type

```
import javax.swing.*;
import javax.swing.table.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
class ChkBookReport extends JFrame implements ActionListener,Runnable
{
    JPanel P,P1,P2;
    JButton GetData,Print,Cancle,search;
    JLabel C_Date,C_Time;
    JTable t;
    JScrollPane scrollpane;
    Thread Th;
    public ChkBookReport()
    {
        super(" Cheque Book Report ");
        P = new JPanel();
        P1=new JPanel();
        P2=new JPanel();
        P.setLayout(new BorderLayout());
        C_Date=new JLabel("");
        C_Time=new JLabel("");
        Cancle=new JButton("CANCLE");
        Print=new JButton("PRINT");
        GetData=new JButton("GET DATA");
        search=new JButton("Search Records");

        getContentPane().add(P);
        GridBagLayout gb=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        gbc.anchor=GridBagConstraints.NORTHWEST;
        P1.setLayout(gb);
        gbc.gridx=0;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Date, gbc);
        P1.add(C_Date);
        gbc.gridx=1;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Time, gbc);
        P1.add(C_Time);
        P.add(P1,"North");
        P2.add(GetData);
```

```

P2.add(Print);
P2.add(Cancle);
P.add(P2,"South");
setSize(475,400);
setLocation(200,50);
setVisible(true);
validate();
P.setBackground(Color.pink);
P1.setBackground(Color.cyan);
P2.setBackground(Color.green);
GetData.addActionListener(this);
Print.addActionListener(this);
Cancle.addActionListener(this);
Th=new Thread(this);
Th.start();
}
public void run()
{
while(true)
{
try {
showTime();
Th.sleep(1000);
}
catch(Exception e)
{
}
}
}
public void showTime()
{
java.util.Date d =new java.util.Date();
java.util.Calendar g = new java.util.GregorianCalendar();
g.setTime(d);
String Dstr="DATE:
"+(1+g.get(java.util.Calendar.MONTH))+"/"+g.get(java.util.Calendar.DATE)+"/"
+g.get(java.util.Calendar.YEAR);
C_Date.setText(Dstr);
String Tstr="TIME:
"+g.get(java.util.Calendar.HOUR)+":"+g.get(java.util.Calendar.MINUTE)+":"+g.
get(java.util.Calendar.SECOND);
C_Time.setText(Tstr);
}

public void actionPerformed(ActionEvent Ae)
{

```

```

if(Ae.getSource()==GetData)
{
P.setVisible(true);
P.validate();
MyTableModel m=new MyTableModel();
t=new JTable(m);
scrollpane=new JScrollPane(t);
P.add("Center",scrollpane);
P.setVisible(true);
P.validate();
}
if(Ae.getSource()==Print)
{
PrintUtilities.printComponent(P); ///// Print Dialog Box
}
if(Ae.getSource()==Cancle)
{
this.setVisible(false);
//new Item_Info();
}
} //actionPerformed...

```

```

class MyTableModel extends AbstractTableModel
{
Vector v1,v2,v3,v4;
public MyTableModel()
{
v1=new Vector();
v2=new Vector();
v3=new Vector();
v4=new Vector();
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from Cheque_Book";
Statement st=con.createStatement();
ResultSet r=st.executeQuery(q);
while(r.next())
{
v1.addElement(r.getString(1));
v2.addElement(r.getString(2));
v3.addElement(r.getString(3));
v4.addElement(r.getString(4));
}
}
catch(Exception ex)

```

```

{
}
} //constuctor
public int getColumnCount()
{
return 5;
}
public String getColumnName(int c)
{
System.out.print(c);
String s="";
switch(c)
{
case 0: s="Account No. ";
break;
case 1: s="Chk. Book Start no. ";
break;
case 2: s="Chk. Book End no. ";
break;
case 3: s="Issue Date ";
break;
}

System.out.println(s);
return s;
}
public int getRowCount()
{
return v1.size();
}
public Object getValueAt(int r,int c)
{

case 0: return v1.elementAt(r);
case 1: return v2.elementAt(r);
case 2: return v3.elementAt(r);
case 3: return v4.elementAt(r);
}
return "";
}
}
public static void main(String x[])
{
new ChkBookReport();
}
}

```

Loan Intrest

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
public class DDEntry extends JFrame implements ActionListener
{
    JLabel L,l1,l2,l3,l4,l5,l6,l7,l8,l9;
    JTextField t1,t2,t3,t4,t5,t6,t7,t8,t9;
    JButton submit;
    JPanel p0,p;
    JFrame frame;
    Font fnt;
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;

    public DDEntry()
    {
        p=new JPanel();
        L=new JLabel("Demand Draft Information Entry ->> ");

        l1=new JLabel("Account No. :");
        l2=new JLabel("DD Number :");
        l3=new JLabel("DD Date :");
        l4=new JLabel("In Favour of :");
        l5=new JLabel("Amount :");
        l6=new JLabel("Payble at :");
        l7=new JLabel("Applicant Name :");
        l8=new JLabel("Issued By :");
        l9=new JLabel("Applicant Address :");

        t1=new JTextField(12);
        t2=new JTextField(12);
        t3=new JTextField(12);
        t4=new JTextField(12);
        t5=new JTextField(12);
        t6=new JTextField(12);
        t7=new JTextField(12);
        t8=new JTextField(12);
        t9=new JTextField(12);
        submit=new JButton(" Submit ");
        GridBagLayout gbag=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        p.setLayout(gbag);

        gbc.gridx=5;
```



```
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l1,gbc);
p.add(l1);
gbc.gridx=10;
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t1,gbc);
p.add(t1);
```

```
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t2,gbc);
p.add(t2);
gbc.gridx=10;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=15 ;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t3,gbc);
p.add(t3);
```

```
gbc.gridx=1;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
p.add(t4);
gbc.gridx=10;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l5,gbc);
p.add(l5);
```

```
gbc.gridx=15;  
gbc.gridy=10;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(t5,gbc);  
p.add(t5);
```

```
gbc.gridx=1;  
gbc.gridy=15;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(l6,gbc);  
p.add(l6);  
gbc.gridx=5;  
gbc.gridy=15;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(t6,gbc);  
p.add(t6);
```

```
gbc.gridx=1;  
gbc.gridy=20;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(l7,gbc);  
p.add(l7);  
gbc.gridx=5;  
gbc.gridy=20;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(t7,gbc);  
p.add(t7);  
gbc.gridx=10;  
gbc.gridy=20;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(l8,gbc);  
p.add(l8);  
gbc.gridx=15;  
gbc.gridy=20;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(t8,gbc);  
p.add(t8);
```

```
gbc.gridx=1;  
gbc.gridy=25;  
gbc.insets=new Insets(5,5,5,5);  
gbag.setConstraints(l9,gbc);  
p.add(l9);  
gbc.gridx=5;  
gbc.gridy=25;  
gbc.insets=new Insets(5,5,5,5);
```

```
gbag.setConstraints(t9,gbc);
p.add(t9);
```

```
gbc.gridx=20;
gbc.gridy=30;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(submit,gbc);
p.add(submit);
```

```
getContentPane().add(p);
```

```
p0 = new JPanel();
p0.setBackground(Color.pink);
fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
p0.add(L);
```

```
frame = new JFrame(" Demand Draft Entry ");
Container cp = frame.getContentPane();
cp.add(p0,BorderLayout.NORTH);
cp.add(p,BorderLayout.CENTER);
```

```
frame.pack();
frame.setLocation(350,400);
Rectangle bound=new Rectangle(350,400,680,300);
frame.setMaximizedBounds(bound);
frame.setVisible(true);
```

```
Color color=new Color(254,254,208);
p.setBackground(color);
```

```
submit.addActionListener(this);
```

```
}
public void actionPerformed(ActionEvent ae)
{
    if ((ae.getSource()==submit))
    {
        if((t1.getText().equals(""))||(t2.getText().equals(""))||(t3.getText().equals(""))||(t4.
        getText().equals(""))||(t5.getText().equals(""))||(t6.getText().equals(""))||(t7.getTe
        xt().equals(""))||(t8.getText().equals(""))||(t9.getText().equals("")))
        JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
        Message",JOptionPane.INFORMATION_MESSAGE);
        else
        {
            try
```

```

{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("insert into Dd_Master
values(?,?,?,?,?,?,?,?)");

if(x==0)
JOptionPane.showMessageDialog(this,"No Row is Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
JOptionPane.showMessageDialog(this,"DD Record Inserted &
Issued","Information Message",JOptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e,"Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
t3.setText("");
t3.setText("");
t4.setText("");
t5.setText("");
t6.setText("");
t7.setText("");
t8.setText("");
t9.setText("");

}
}

}

public static void main(String args[])
{
new DDEntry();
}
}

```

Loan Report

```
import javax.swing.*;
import javax.swing.table.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
class DDReport extends JFrame implements ActionListener,Runnable
{
    JPanel P,P1,P2;
    JButton GetData,Print,Cancle;
    JLabel Issue,C_Date,C_Time;
    JTable t;
    JScrollPane scrollpane;
    Thread Th;
    public DDReport()
    {
        super(" Demand Draft Report ");
        P = new JPanel();
        P1=new JPanel();
        P2=new JPanel();
        P.setLayout(new BorderLayout());
        C_Date=new JLabel("");
        C_Time=new JLabel("");
        Cancle=new JButton("CANCLE");
        Print=new JButton("PRINT");
        GetData=new JButton("GET DATA");
        getContentPane().add(P);
        GridBagLayout gb=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        gbc.anchor=GridBagConstraints.NORTHWEST;
        P1.setLayout(gb);
        gbc.gridx=0;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Date, gbc);
        P1.add(C_Date);
        gbc.gridx=1;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Time, gbc);
        P1.add(C_Time);

        P.add(P1,"North");
        P2.add(GetData);
        P2.add(Print);
    }
}
```

```

P2.add(Cancel);
P.add(P2,"South");
setSize(475,400);
setLocation(200,50);
setVisible(true);
validate();
P.setBackground(Color.pink);
P1.setBackground(Color.cyan);
P2.setBackground(Color.green);
GetData.addActionListener(this);
Print.addActionListener(this);
Cancel.addActionListener(this);
Th=new Thread(this);
Th.start();
}
public void run()
{
while(true)
{
try {
showTime();
Th.sleep(1000);
}
catch(Exception e)
{
}
}
}
public void showTime()
{
java.util.Date d =new java.util.Date();
java.util.Calendar g = new java.util.GregorianCalendar();
g.setTime(d);
String Dstr="DATE:
"+(1+g.get(java.util.Calendar.MONTH))+"/"+g.get(java.util.Calendar.DATE)+"/"
+g.get(java.util.Calendar.YEAR);
C_Date.setText(Dstr);
String Tstr="TIME:
"+g.get(java.util.Calendar.HOUR)+":"+g.get(java.util.Calendar.MINUTE)+":"+g.
get(java.util.Calendar.SECOND);
C_Time.setText(Tstr);
}

public void actionPerformed(ActionEvent Ae)
{
if(Ae.getSource()==GetData)

```

```

{
P.setVisible(true);
P.validate();
MyTableModel m=new MyTableModel();
t=new JTable(m);
scrollpane=new JScrollPane(t);
P.add("Center",scrollpane);
P.setVisible(true);
P.validate();
}
if(Ae.getSource()==Print)
{
PrintUtilities.printComponent(P); ///// Print Dialog Box
}
if(Ae.getSource()==Cancle)
{
this.setVisible(false);
//new Item_Info();
}
} //actionPerformed...

```

```

class MyTableModel extends AbstractTableModel
{
Vector v1,v2,v3,v4,v5,v6,v7,v8,v9;
public MyTableModel()
{
v1=new Vector();
v2=new Vector();
v3=new Vector();
v4=new Vector();
v5=new Vector();
v6=new Vector();
v7=new Vector();
v8=new Vector();
v9=new Vector();
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from Dd_Master";
Statement st=con.createStatement();
ResultSet r=st.executeQuery(q);
while(r.next())
{
v1.addElement(r.getString(1));
v2.addElement(r.getString(2));
v3.addElement(r.getString(3));

```

```

v4.addElement(r.getString(4));
v5.addElement(r.getString(5));
v6.addElement(r.getString(6));
v7.addElement(r.getString(7));
v8.addElement(r.getString(8));
v9.addElement(r.getString(9));
}
}
catch(Exception ex)
{
}
} //constuctor
public int getColumnCount()
{
return 10;
}
public String getColumnName(int c)
{
System.out.print(c);
String s="";
switch(c)
{
case 0: s="Applicant A/c No.";
break;
case 1: s="DD Number";
break;
case 2: s="DD Date";
break;
case 3: s="In Favour of";
break;
case 4: s="Amount";
break;
case 5: s="Payble At";
break;
case 6: s="Applicant Name";
break;
case 7: s="Issued By";
break;
case 8: s="App. Address";
break;
}
System.out.println(s);
return s;
}
public int getRowCount()
{

```



```

return v1.size();
}
public Object getValueAt(int r,int c)
{
switch(c)
{
case 0: return v1.elementAt(r);
case 1: return v2.elementAt(r);
case 2: return v3.elementAt(r);
case 3: return v4.elementAt(r);
case 4: return v5.elementAt(r);
case 5: return v6.elementAt(r);
case 6: return v7.elementAt(r);
case 7: return v8.elementAt(r);
case 8: return v9.elementAt(r);
}
return "";
}
}
public static void main(String x[])
{
new DDReport();
}
}

```

Deposit

```

import javax.swing.*;
import javax.swing.table.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
class DDReport extends JFrame implements ActionListener,Runnable
{
JPanel P,P1,P2;
JButton GetData,Print,Cancle;
JLabel Issue,C_Date,C_Time;
JTable t;
JScrollPane scrollpane;
Thread Th;
public DDReport()
{
super(" Demand Draft Report ");
P = new JPanel();
P1=new JPanel();
P2=new JPanel();

```

```

P.setLayout(new BorderLayout());
C_Date=new JLabel("");
C_Time=new JLabel("");
Cancle=new JButton("CANCLE");
Print=new JButton("PRINT");
GetData=new JButton("GET DATA");
getContentPane().add(P);
GridBagLayout gb=new GridBagLayout();
GridBagConstraints gbc=new GridBagConstraints();
gbc.anchor=GridBagConstraints.NORTHWEST;
P1.setLayout(gb);
gbc.gridx=0;
gbc.gridy=0;
gbc.insets=new Insets(5,5,5,5);
gb.setConstraints(C_Date, gbc);
P1.add(C_Date);
gbc.gridx=11;
gbc.gridy=0;
gbc.insets=new Insets(5,5,5,5);
gb.setConstraints(C_Time, gbc);
P1.add(C_Time);

P.add(P1,"North");
P2.add(GetData);
P2.add(Print);
P2.add(Cancle);
P.add(P2,"South");
setSize(475,400);
setLocation(200,50);
setVisible(true);
validate();
P.setBackground(Color.pink);
P1.setBackground(Color.cyan);
P2.setBackground(Color.green);
GetData.addActionListener(this);
Print.addActionListener(this);
Cancle.addActionListener(this);
Th=new Thread(this);
Th.start();
}
public void run()
{
while(true)
{
try {
showTime();

```

```

    Th.sleep(1000);
}
catch(Exception e)
{
}
}
}

public void showTime()
{
    java.util.Date d =new java.util.Date();
    java.util.Calendar g = new java.util.GregorianCalendar();
    g.setTime(d);
    String Dstr="DATE:"
    "+(1+g.get(java.util.Calendar.MONTH))+"/"+g.get(java.util.Calendar.DATE)+"/"
    +g.get(java.util.Calendar.YEAR);
    C_Date.setText(Dstr);
    String Tstr="TIME:"
    "+g.get(java.util.Calendar.HOUR)+":"+g.get(java.util.Calendar.MINUTE)+"."+g.
    get(java.util.Calendar.SECOND);
    C_Time.setText(Tstr);
}

public void actionPerformed(ActionEvent Ae)
{
    if(Ae.getSource()==GetData)
    {
        P.setVisible(true);
        P.validate();
        MyTableModel m=new MyTableModel();
        t=new JTable(m);
        scrollpane=new JScrollPane(t);
        P.add("Center",scrollpane);
        P.setVisible(true);
        P.validate();
    }
    if(Ae.getSource()==Print)
    {
        PrintUtilities.printComponent(P); ///// Print Dialog Box
    }
    if(Ae.getSource()==Cancle)
    {
        this.setVisible(false);
        //new Item_Info();
    }
}
//actionPerformed...

```

```

class MyTableModel extends AbstractTableModel
{
Vector v1,v2,v3,v4,v5,v6,v7,v8,v9;
public MyTableModel()
{
v1=new Vector();
v2=new Vector();
v3=new Vector();
v4=new Vector();
v5=new Vector();
v6=new Vector();
v7=new Vector();
v8=new Vector();
v9=new Vector();
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from Dd_Master";
Statement st=con.createStatement();
ResultSet r=st.executeQuery(q);
while(r.next())
{
v1.addElement(r.getString(1));
v2.addElement(r.getString(2));
v3.addElement(r.getString(3));
v4.addElement(r.getString(4));
v5.addElement(r.getString(5));
v6.addElement(r.getString(6));
v7.addElement(r.getString(7));
v8.addElement(r.getString(8));
v9.addElement(r.getString(9));
}
}
catch(Exception ex)
{
}
} //constuctor
public int getColumnCount()
{
return 10;
}
public String getColumnName(int c)
{
System.out.print(c);
String s="";
switch(c)

```

```

{
case 0: s="Applicant A/c No.";
break;
case 1: s="DD Number";
break;
case 2: s="DD Date";
break;
}
System.out.println(s);
return s;
}
public int getRowCount()
{
return v1.size();
}
public Object getValueAt(int r,int c)
{
switch(c)
{
case 0: return v1.elementAt(r);
case 1: return v2.elementAt(r);
case 2: return v3.elementAt(r);
case 3: return v4.elementAt(r);
case 4: return v5.elementAt(r);
case 5: return v6.elementAt(r);
case 6: return v7.elementAt(r);
case 7: return v8.elementAt(r);
case 8: return v9.elementAt(r);
}
return "";
}
}
public static void main(String x[])
{
new DDReport();
}
}

```

Withdraw

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
public class WithDraw extends JFrame implements ActionListener
{
    JLabel L,l1,l2,l3,l4;
    JTextField t1,t2,t3,t4;
    JButton withdraw,close;
    JPanel p0,p,p1;
    JFrame frame;
    Font fnt;
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;

    public WithDraw()
    {
        p=new JPanel();
        L=new JLabel("Amount Transaction - Withdraw ->> ");

        l1=new JLabel("A/c Number :");
        l2=new JLabel("ID Number :");
        l3=new JLabel("Withdraw Amount :");
        l4=new JLabel("Date :");

        t1=new JTextField(12);
        t2=new JTextField(12);
        t3=new JTextField(12);
        t4=new JTextField(12);
        withdraw=new JButton("Withdraw Amount");
        close=new JButton("Close");
        GridBagLayout gbag=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        p.setLayout(gbag);

        gbc.gridx=1;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(l1,gbc);
        p.add(l1);
        gbc.gridx=5;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(t1,gbc);
        p.add(t1);
```

```
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t2,gbc);
p.add(t2);
gbc.gridx=1;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=5 ;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t3,gbc);
p.add(t3);
```

```
gbc.gridx=1;
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5 ;
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
p.add(t4);
```

```
getContentPane().add(p);
```

```
p0 = new JPanel();
p0.setBackground(Color.pink);
fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
p0.add(L);
```

```
p1 = new JPanel();
p1.setBackground(Color.cyan);
p1.add(withdraw);
p1.add(close);
```

```

frame = new JFrame(" Amount Transaction Withdraw ");
Container cp = frame.getContentPane();
cp.add(p0,BorderLayout.NORTH);
cp.add(p,BorderLayout.CENTER);
cp.add(p1,BorderLayout.SOUTH);

frame.pack();
frame.setLocation(400,300);
frame.setSize(420,300);
Rectangle bound=new Rectangle(400,300,420,300);
frame.setMaximizedBounds(bound);
frame.setVisible(true);

Color color=new Color(254,254,208);
p.setBackground(color);

withdraw.addActionListener(this);
close.addActionListener(this);

}
public void actionPerformed(ActionEvent ae)
{
if ((ae.getSource()==withdraw))
{
if((t1.getText().equals(""))||(t2.getText().equals(""))||(t3.getText().equals(""))||(t4.
getText().equals("")))
JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("insert into Transaction_Master
values(?,?,?,?,?,?,?)");

ps.setString(2,(t1.getText()));
ps.setString(1,(t2.getText()));
ps.setInt(6,Integer.parseInt(t3.getText()));
ps.setString(4,(t4.getText()));
x=ps.executeUpdate();

if(x==0)
JOptionPane.showMessageDialog(this,"No Row is Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);

```



```

else
OptionPane.showMessageDialog(this,"1 Row is Inserted","Information
Message",OptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
OptionPane.showMessageDialog(this,e,"Information
Message",OptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
t3.setText("");
t4.setText("");
}
}

if(ae.getSource()==close)
frame.setVisible(false);
}

public static void main(String args[])
{
new WithDraw();
}
}

```

Coustomer Entry

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;

public class FDEntry extends JFrame implements ActionListener
{
    JLabel L,l1,l2,l3,l4,l5;
    JTextField t1,t2,t3,t4,t5;
    JButton submit;
    JPanel p0,p;
    JFrame frame;
    Font fnt;
    String s1,s2,s3,s4,s5,s6;
    String s=" ";
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;

    public FDEntry()
    {
        p=new JPanel();
        L=new JLabel("Fix Deposit Information Entry ->> ");

        l1=new JLabel("Account No. :");
        l2=new JLabel("Enter Amount :");
        l3=new JLabel("Maturity Date :");
        l4=new JLabel("Open Date :");
        l5=new JLabel("Maturity Amount :");

        t1=new JTextField(12);
        t2=new JTextField(12);
        t3=new JTextField(12);
        t4=new JTextField(12);
        t5=new JTextField(12);

        submit=new JButton(" Submit ");

        GridBagLayout gbag=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        p.setLayout(gbag);

        gbc.gridx=5;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(l1,gbc);
```

```
p.add(l1);
gbc.gridx=10;
gbc.gridy=1;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t1,gbc);
p.add(t1);
```

```
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t2,gbc);
p.add(t2);
gbc.gridx=10;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=15 ;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t3,gbc);
p.add(t3);
```

```
gbc.gridx=1;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
p.add(t4);
gbc.gridx=10;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l5,gbc);
p.add(l5);
gbc.gridx=15;
gbc.gridy=10;
gbc.insets=new Insets(5,5,5,5);
```

```
gbag.setConstraints(t5,gbc);
p.add(t5);
```

```
gbc.gridx=20;
gbc.gridy=15;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(submit,gbc);
p.add(submit);
```

```
getContentPane().add(p);
```

```
p0 = new JPanel();
p0.setBackground(Color.pink);
fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
p0.add(L);
```

```
frame = new JFrame(" Fix Deposit Entry ");
Container cp = frame.getContentPane();
cp.add(p0,BorderLayout.NORTH);
cp.add(p,BorderLayout.CENTER);
```

```
frame.pack();
frame.setLocation(300,300);
frame.setSize(700,300);
Rectangle bounds = new Rectangle(300,300,700,300);
frame.setMaximizedBounds(bounds);
frame.setVisible(true);
```

```
Color color=new Color(254,254,208);
p.setBackground(color);
```

```
submit.addActionListener(this);
```

```
}
public void actionPerformed(ActionEvent ae)
{
    if ((ae.getSource()==submit))
    {
        if((t1.getText().equals(""))||(t2.getText().equals(""))||(t3.getText().equals(""))||(t4.
        getText().equals(""))||(t5.getText().equals("")))
        JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
        Message",JOptionPane.INFORMATION_MESSAGE);
    }
    else
    {
        try
```

```

{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("insert into FixedDeposit
values(?,?,?,?,?)");
ps.setString(1,(t1.getText()));
ps.setInt(2,Integer.parseInt(t2.getText()));
ps.setString(3,(t3.getText()));
ps.setString(4,(t4.getText()));
ps.setInt(5,Integer.parseInt(t5.getText()));
x=ps.executeUpdate();

if(x==0)
JOptionPane.showMessageDialog(this,"No Row is Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
JOptionPane.showMessageDialog(this," Record Inserted for FixDeposit
","Information Message",JOptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,"Connection Fail","Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
t3.setText("");
t3.setText("");
t4.setText("");
t5.setText("");
}
}

}

public static void main(String args[])
{
new FDEntry();
}
}

```

Fixed Deposit Report

```

import javax.swing.*;
import javax.swing.table.*;
import java.awt.*;
import java.awt.event.*;

```

```

import java.sql.*;
import java.util.*;
class FDReport extends JFrame implements ActionListener,Runnable
{
    JPanel P,P1,P2;
    JButton GetData,Print,Cancle,search;
    JLabel C_Date,C_Time;
    JScrollPane scrollpane;
    JTable t;
    Thread Th;
    public FDReport()
    {
        super(" Fix Deposit Report ");
        P = new JPanel();
        P1=new JPanel();
        P2=new JPanel();
        P.setLayout(new BorderLayout());
        C_Date=new JLabel("");
        C_Time=new JLabel("");
        Cancle=new JButton("CANCLE");
        Print=new JButton("PRINT");
        GetData=new JButton("GET DATA");
        search=new JButton("Search Records");
        getContentPane().add(P);
        GridBagLayout gb=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        gbc.anchor=GridBagConstraints.NORTHWEST;
        P1.setLayout(gb);
        gbc.gridx=0;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Date, gbc);
        P1.add(C_Date);
        gbc.gridx=1;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Time, gbc);
        P1.add(C_Time);

        P.add(P1,"North");
        P2.add(GetData);
        P2.add(Print);
        P2.add(Cancle);
        P.add(P2,"South");
        setSize(475,400);
        setLocation(200,50);
    }
}

```

```

setVisible(true);
validate();
P.setBackground(Color.pink);
P1.setBackground(Color.cyan);
P2.setBackground(Color.green);
GetData.addActionListener(this);
Print.addActionListener(this);
Cancle.addActionListener(this);
Th=new Thread(this);
Th.start();
}
public void run()
{
while(true)
{
try {
showTime();
Th.sleep(1000);
}
catch(Exception e)
{
}
}
}
public void showTime()
{
java.util.Date d =new java.util.Date();
java.util.Calendar g = new java.util.GregorianCalendar();
g.setTime(d);
String Dstr="DATE:
"+(1+g.get(java.util.Calendar.MONTH))+"/"+g.get(java.util.Calendar.DATE)+"/"
+g.get(java.util.Calendar.YEAR);
C_Date.setText(Dstr);
String Tstr="TIME:
"+g.get(java.util.Calendar.HOUR)+":"+g.get(java.util.Calendar.MINUTE)+":"+g.
get(java.util.Calendar.SECOND);
C_Time.setText(Tstr);
}
public void actionPerformed(ActionEvent Ae)
{
if(Ae.getSource()==GetData)
{
P.setVisible(true);
P.validate();
MyTableModel m=new MyTableModel();
t=new JTable(m);

```

```

scrollpane=new JScrollPane(t);
P.add("Center",scrollpane);
P.setVisible(true);
P.validate();
}
if(Ae.getSource()==Print)
{
PrintUtilities.printComponent(P); ///// Print Dialog Box
}
if(Ae.getSource()==Cancle)
{
this.setVisible(false);
//new Item_Info();
}
} //actionPerformed...

```

```

class MyTableModel extends AbstractTableModel

```

```

{
Vector v1,v2,v3,v4,v5;
public MyTableModel()
{
v1=new Vector();
v2=new Vector();
v3=new Vector();
v4=new Vector();
v5=new Vector();

```

```

try{
//String str=String.valueOf(combobox.getSelectedItem());
//int m=Integer.parseInt(str);
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from FixedDeposit ";
Statement st=con.createStatement();
ResultSet r=st.executeQuery(q);
while(r.next())
{
v1.addElement(r.getString(1));
v2.addElement(r.getString(2));
v3.addElement(r.getString(3));
v4.addElement(r.getString(4));
v5.addElement(r.getString(5));
}
}
catch(Exception ex)
{

```



```

    }
    }//constuctor
    public int getColumnCount()
    {
        return 6;
    }
    public String getColumnName(int c)
    {
        System.out.print(c);
        String s="";
        switch(c)
        {
            case 0: s=" Account No.";
            break;
            case 1: s=" FD Amount ";
            break;
            case 2: s=" Maturity Date ";
            break;
            case 3: s=" Opening Date ";
            break;
            case 4: s=" Maturity Amount ";
            break;
        }
        System.out.println(s);
        return s;
    }
    public int getRowCount()
    {
        return v1.size();
    }
    public Object getValueAt(int r,int c)
    {
        switch(c)
        {
            case 0: return v1.elementAt(r);
            case 1: return v2.elementAt(r);
            case 2: return v3.elementAt(r);
            case 3: return v4.elementAt(r);
            case 4: return v5.elementAt(r);
        }
        return "";
    }
    }
    public static void main(String x[])
    {
        new FDReport();
    }

```

```
}  
}
```

Modify Bank User

```
import javax.swing.*;
```

```
import java.awt.event.*;
```

```
import java.awt.*;
```

```
import java.sql.*;
```

```
public class ModiBnkUser extends JFrame implements ActionListener
```

```
{
```

```
    JLabel L,l1,l2,l3,l4,l5,l6,l7,l8;
```

```
    JTextField t1,t2,t4,t5,t6,t7;
```

```
    JPasswordField pt3;
```

```
    JButton update,delete,close,search;
```

```
    JPanel p0,p,p1;
```

```
    JFrame frame;
```

```
    JComboBox com;
```

```
    Font fnt;
```

```
    String s1,s2,s3,s4,s5,s6;
```

```
    String s="    ";
```

```
    int x=0,y=0,z=0,k=0,l=0;
```

```
    int m1=0,m2=0;
```

```
    public ModiBnkUser()
```

```
    {
```

```
        p=new JPanel();
```

```
        com=new JComboBox();
```

```
        com.addItem("----- ");
```

```
        com.addItem("Admin");
```

```
        com.addItem("User");
```

```
        L=new JLabel(" Modify Bank Login ");
```

```
        l1=new JLabel("Enter Login ID :");    /// Need to check if ID is exist or not then
```

```
insert
```

```
l2=new JLabel("User Name :");
```

```
l3=new JLabel("Password :");
```

```
l4=new JLabel("Address :");
```

```
l5=new JLabel("City :");
```

```
l6=new JLabel("Phone :");
```

```
l7=new JLabel("Email ID :");
```

```
l8=new JLabel("User Type :");
```

```
t1=new JTextField(12);
```

```
t2=new JTextField(12);
```

```
pt3=new JPasswordField(12);
```

```
t4=new JTextField(12);
```

```
t5=new JTextField(12);
```

```
t6=new JTextField(12);
t7=new JTextField(12);
update=new JButton("Update");
close=new JButton("Closes");
delete=new JButton("Delete");
search=new JButton("Search");
GridBagLayout gbag=new GridBagLayout();
GridBagConstraints gbc=new GridBagConstraints();
p.setLayout(gbag);
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t2,gbc);
p.add(t2);
gbc.gridx=1;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=5 ;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(pt3,gbc);
p.add(pt3);
gbc.gridx=1;
gbc.gridy=13;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=13 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
p.add(t4);
gbc.gridx=1;
gbc.gridy=17;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l5,gbc);
p.add(l5);
gbc.gridx=5;
gbc.gridy=17 ;
```

```

gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t5, gbc);
p.add(t5);
gbc.gridx=1;
gbc.gridy=21;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l6, gbc);
p.add(l6);
gbc.gridx=5;
gbc.gridy=21 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t6, gbc);
p.add(t6);
gbc.gridx=1;
gbc.gridy=25;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l7, gbc);
p.add(l7);
gbc.gridx=5;
gbc.gridy=25 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t7, gbc);
p.add(t7);
gbc.gridx=1;
gbc.gridy=29;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l8, gbc);
p.add(l8);
gbc.gridx=5;
gbc.gridy=29 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(com, gbc);
p.add(com);
getContentPane().add(p);
p0 = new JPanel();
p0.setBackground(Color.pink);
fnt=new Font("Ariel", Font.BOLD, 24);
L.setFont(fnt);
p0.add(L);
p0.add(l1);
p0.add(t1);
p0.add(search)
p1 = new JPanel();
p1.setBackground(Color.cyan);
p1.add(update);
p1.add(delete);

```

```

p1.add(close);
frame = new JFrame(" Modify Bank User ");
Container cp = frame.getContentPane();
cp.add(p0, BorderLayout.NORTH);
cp.add(p, BorderLayout.CENTER);
cp.add(p1, BorderLayout.SOUTH);
frame.pack();
frame.setLocation(400,300);
Rectangle bound=new Rectangle(400,300,650,350);
frame.setMaximizedBounds(bound);
frame.setVisible(true);
Color color=new Color(254,254,208);
p.setBackground(color);
search.addActionListener(this);
update.addActionListener(this);
delete.addActionListener(this);
close.addActionListener(this);

}
public void actionPerformed(ActionEvent ae)
{
if(ae.getSource()==search)
{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from Bank_Login where Log_ID='"+
String.valueOf(t1.getText())+"'";
Statement st=con.createStatement();
ResultSet rs=st.executeQuery(q);
while(rs.next())
{
t2.setText(rs.getString(1));
pt3.setText(rs.getString(2));
t4.setText(rs.getString(3));
t5.setText(rs.getString(4));
t6.setText(rs.getString(5));
t7.setText(rs.getString(6));
}
}
catch(Exception e)
{
System.out.print(e);
}
}
}

```

```

if ((ae.getSource()==update)||ae.getSource()==delete))
{
if((t1.getText().equals(""))||(t2.getText().equals(""))||(pt3.getPassword().equals("")
))||(t4.getText().equals(""))||(t5.getText().equals(""))||(t6.getText().equals(""))||(t7.
getText().equals(""))))
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("update * from Bank_Login
values(?,?,?,?,?,?,?)");

```

```

if(x==0)
JOptionPane.showMessageDialog(this,"No Row is Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
JOptionPane.showMessageDialog(this,"Record Updated","Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e,"Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
pt3.setText("");
t4.setText("");
t5.setText("");
t6.setText("");
t7.setText("");
}
}

```

```

if(ae.getSource()==close)
frame.setVisible(false);
}

```

```

public static void main(String args[])
{
new ModiBnkUser();
}
}

```

Garenter Information

```
import javax.swing.*;
import java.awt.event.*;
import java.awt.*;
import java.sql.*;
public class NomineeInfo extends JFrame implements ActionListener
{
    JLabel L,l1,l2,l3,l4,l5;
    JTextField t1,t2,t3,t4,t5;
    JButton add,close;
    JPanel p0,p1;
    JFrame frame;
    Font fnt;
    String s1,s2,s3,s4,s5,s6;
    String s=" ";
    int x=0,y=0,z=0,k=0,l=0;
    int m1=0,m2=0;
    public NomineeInfo()
    {
        p=new JPanel();
        L=new JLabel(" Nominee Information ->> ");

        l1=new JLabel("Enter A/c Number :");
        l2=new JLabel("Name :");
        l3=new JLabel("Address :");
        l4=new JLabel("Contact No. :");
        l5=new JLabel("City :");
        t1=new JTextField(12);
        t2=new JTextField(12);
        t3=new JTextField(12);
        t4=new JTextField(12);
        t5=new JTextField(12);
        add=new JButton("Add");
        close=new JButton("CLose");
        GridBagLayout gbag=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        p.setLayout(gbag);
        gbc.gridx=1;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
        gbag.setConstraints(l1,gbc);
        p.add(l1);
        gbc.gridx=5;
        gbc.gridy=1;
        gbc.insets=new Insets(5,5,5,5);
```

```
gbag.setConstraints(t1,gbc);
p.add(t1);
gbc.gridx=1;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l2,gbc);
p.add(l2);
gbc.gridx=5;
gbc.gridy=5;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t2,gbc);
p.add(t2);
gbc.gridx=1;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l3,gbc);
p.add(l3);
gbc.gridx=5 ;
gbc.gridy=9;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t3,gbc);
p.add(t3);
gbc.gridx=1;
gbc.gridy=13;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l4,gbc);
p.add(l4);
gbc.gridx=5;
gbc.gridy=13 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t4,gbc);
p.add(t4);
gbc.gridx=1;
gbc.gridy=17;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(l5,gbc);
p.add(l5);
gbc.gridx=5;
gbc.gridy=17 ;
gbc.insets=new Insets(5,5,5,5);
gbag.setConstraints(t5,gbc);
p.add(t5);

getContentPane().add(p);
p0 = new JPanel();
p0.setBackground(Color.pink);
```



```

fnt=new Font("Ariel",Font.BOLD,24);
L.setFont(fnt);
p0.add(L);

p1 = new JPanel();
p1.setBackground(Color.cyan);
p1.add(add);
p1.add(close);
frame = new JFrame(" Nominee Information ");
Container cp = frame.getContentPane();
cp.add(p0,BorderLayout.NORTH);
cp.add(p,BorderLayout.CENTER);
cp.add(p1,BorderLayout.SOUTH);
frame.pack();
frame.setLocation(400,300);
frame.setSize(500,350);
Rectangle bound=new Rectangle(400,300,500,350);
frame.setMaximizedBounds(bound);
frame.setVisible(true);

Color color=new Color(254,254,208);
p.setBackground(color);

add.addActionListener(this);
close.addActionListener(this);

}
public void actionPerformed(ActionEvent ae)
{
if (ae.getSource()==add)
{
if((t1.getText().equals(""))||(t2.getText().equals(""))||(t3.getText().equals(""))||(t4.
getText().equals(""))||(t5.getText().equals("")))
JOptionPane.showMessageDialog(this,"Kindly Fill All Fields","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
{
try
{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("Jdbc:Odbc:bnk","sa","");
PreparedStatement ps=con.prepareStatement("insert into Nominee
values(?,?,?,?)");

ps.setString(1,(t1.getText()));
ps.setString(2,(t2.getText()));

```

```

ps.setString(3,(t3.getText()));
ps.setString(4,(t4.getText()));
ps.setString(5,(t5.getText()));
x=ps.executeUpdate();

if(x==0)
JOptionPane.showMessageDialog(this,"No Record Inserted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
else
JOptionPane.showMessageDialog(this,"Nominee Record Insereted","Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
catch(Exception e)
{
JOptionPane.showMessageDialog(this,e,"Information
Message",JOptionPane.INFORMATION_MESSAGE);
}
t1.setText("");
t2.setText("");
t3.setText("");
t4.setText("");
t5.setText("");
}
}

if(ae.getSource()==close)
frame.setVisible(false);
}

public static void main(String args[])
{
new NomineeInfo();
}
}

```

Loan Report

```
import javax.swing.*;
import javax.swing.table.*;
import java.awt.*;
import java.awt.event.*;
import java.sql.*;
import java.util.*;
class TransReport extends JFrame implements ActionListener,Runnable
{
    JPanel P,P1,P2;
    JButton GetData,Print,Cancle;
    JLabel Issue,C_Date,C_Time;
    JTable t;
    JScrollPane scrollpane;
    Thread Th;
    public TransReport()
    {
        super(" Transactions Report ");
        P = new JPanel();
        P1=new JPanel();
        P2=new JPanel();
        P.setLayout(new BorderLayout());
        C_Date=new JLabel("");
        C_Time=new JLabel("");
        Cancle=new JButton("CANCLE");
        Print=new JButton("PRINT");
        GetData=new JButton("GET DATA");
        getContentPane().add(P);
        GridBagLayout gb=new GridBagLayout();
        GridBagConstraints gbc=new GridBagConstraints();
        gbc.anchor=GridBagConstraints.NORTHWEST;
        P1.setLayout(gb);
        gbc.gridx=0;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Date, gbc);
        P1.add(C_Date);
        gbc.gridx=1;
        gbc.gridy=0;
        gbc.insets=new Insets(5,5,5,5);
        gb.setConstraints(C_Time, gbc);
        P1.add(C_Time);
        P.add(P1,"North");
        P2.add(GetData);
        P2.add(Print);
    }
}
```

```

P2.add(Cancel);
P.add(P2,"South");
setSize(475,400);
setLocation(200,50);
setVisible(true);
validate();
P.setBackground(Color.pink);
P1.setBackground(Color.cyan);
P2.setBackground(Color.green);
GetData.addActionListener(this);
Print.addActionListener(this);
Cancel.addActionListener(this);
Th=new Thread(this);
Th.start();
}
public void run()
{
while(true)
{
try {
showTime();
Th.sleep(1000);
}
catch(Exception e)
{
}
}
}
public void showTime()
{
java.util.Date d =new java.util.Date();
java.util.Calendar g = new java.util.GregorianCalendar();
g.setTime(d);
String Dstr="DATE:
"+(1+g.get(java.util.Calendar.MONTH))+"/"+g.get(java.util.Calendar.DATE)+"/"
+g.get(java.util.Calendar.YEAR);
C_Date.setText(Dstr);
String Tstr="TIME:
"+g.get(java.util.Calendar.HOUR)+":"+g.get(java.util.Calendar.MINUTE)+":"+g.
get(java.util.Calendar.SECOND);
C_Time.setText(Tstr);
}
public void actionPerformed(ActionEvent Ae)
{
if(Ae.getSource()==GetData)
{

```

```

P.setVisible(true);
P.validate();
MyTableModel m=new MyTableModel();
t=new.JTable(m);
scrollpane=new JScrollPane(t);
P.add("Center",scrollpane);
P.setVisible(true);
P.validate();
}
if(Ae.getSource()==Print)
{
PrintUtilities.printComponent(P); //// Print Dialog Box
}
if(Ae.getSource()==Cancle)
{
this.setVisible(false);
//new Item_Info();
}
} //actionPerforned...

```

```

class MyTableModel extends AbstractTableModel
{
Vector v1,v2,v3,v4,v5,v6,v7,v8;
public MyTableModel()
{
v1=new Vector();
v2=new Vector();
v3=new Vector();
v4=new Vector();
v5=new Vector();
v6=new Vector();
v7=new Vector();
v8=new Vector();
try{
Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
Connection con=DriverManager.getConnection("jdbc:odbc:bnk","sa","");
String q="select * from Transaction_Master";
Statement st=con.createStatement();
ResultSet r=st.executeQuery(q);
while(r.next())
{
v1.addElement(r.getString(1));
v2.addElement(r.getString(2));
v3.addElement(r.getString(3));
v4.addElement(r.getString(4));
v5.addElement(r.getString(5));

```

```

v6.addElement(r.getString(6));
v7.addElement(r.getString(7));
v8.addElement(r.getString(8));

}
}
catch(Exception ex)
{
}
} //constuctor
public int getColumnCount()
{
return 9;
}
public String getColumnName(int c)
{
System.out.print(c);
String s="";
switch(c)
{
case 0: s="User ID";
break;
case 1: s="A/C No.";
break;
case 2: s="Transaction Type";
break;
case 3: s="Transaction Date";
break;
case 4: s="Trans. Debit Ammount";
break;
case 5: s="Trans. Credit Ammount";
break;
case 6: s="Cheque Branch";
break;
case 7: s="Cheque No.";
break;
}
System.out.println(s);
return s;
}
public int getRowCount()
{
return v1.size();
}
public Object getValueAt(int r,int c)
{

```

```
switch(c)
{
case 0: return v1.elementAt(r);
case 1: return v2.elementAt(r);
case 2: return v3.elementAt(r);
case 3: return v4.elementAt(r);
case 4: return v5.elementAt(r);
case 5: return v6.elementAt(r);
case 6: return v7.elementAt(r);
case 7: return v8.elementAt(r);
}
return "";
}
}
public static void main(String x[])
{
new TransReport();
}
}
```