

E-Banking System

AIM:

Write java program using swing (GUI) for E-Banking System to create mini project.

PROGRAM SOURCE CODE:

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

class BankApp extends JFrame implements ActionListener
{
    JMenuBar jmb;
    JMenu mnew,mtran,mshow;
    JMenuItem iadd,iwith,idip,ichg,idis,iexit;
    BorderLayout b;
    public static double amt;

    BankApp()
    {
        super("BANK OF MONEY");
        amt=1000;
```

```
b= new BorderLayout();
```

```
this.setLayout(b);
```

```
jmb=new JMenuBar();
```

```
mnew= new JMenu("New");
```

```
mtran=new JMenu("Transaction");
```

```
mshow=new JMenu("Show");
```

```
iadd=new JMenuItem("Add Customer");
```

```
iadd.addActionListener(this);
```

```
iexit=new JMenuItem("Exit");
```

```
iexit.addActionListener(this);
```

```
iwith=new JMenuItem("Withdraw");
```

```
iwith.addActionListener(this);
```

```
idip=new JMenuItem("Deposit" );
```

```
idip.addActionListener(this);
```

```
ichg=new JMenuItem("Charge Fee");
```

```
ichg.addActionListener(this);
```

```
idis=new JMenuItem("Display");
```

```
idis.addActionListener(this);
```

```
mnew.add(iadd);
```

```
mnew.add(iexit);
```

```
mtran.add(iwith);
```

```
mtran.add(idip);
```

```
mtran.add(ichg);
```

```
mshow.add(idis);

jmb.add(mnew);
jmb.add(mtran);
jmb.add(mshow);
add(jmb, BorderLayout.NORTH);
setSize(600,600);
setVisible( true);

}

public void actionPerformed(ActionEvent e)
{
    NewFrame f=new NewFrame();
    if(e.getActionCommand()=="Add Customer")
    {

        f.frmNew(amt);
    }
    if(e.getActionCommand()=="Exit")
    {
        setVisible(false);

    }
    if (e.getActionCommand()=="Display")
    {
```

```

        f.frmShow(amt);
    }
    if(e.getActionCommand()=="Deposit")
    {
        amt=f.frmdep(amt);
    }
    if(e.getActionCommand()=="Withdraw")
    {amt=f.frmwith(amt);
    }

}
}

class NewFrame implements ActionListener
{
    BorderLayout b;
    JLabel lname,lacct,lblbal,ldbal;
    JTextField txtname,txtacct;
    GridLayout gl;
    JButton btnok,btnsave;
    JButton btncancel;
    JFrame f1,f2;
    public static String name,acct;
    /// public static double bal;
    NewFrame()
    {
        gl=new GridLayout(6,2);

```

```
lname=new JLabel("Name of the Customer");
lacct=new JLabel("Account No");
lblbal=new JLabel("Balance Rs.");
ldbal=new JLabel();
}
public void frmNew(double bal)
{

    btnsave=new JButton("Save");
    btnsave.addActionListener(this);
    btncancel=new JButton("Cancel");
    btncancel.addActionListener(this);
    f1=new JFrame("New Customer");
    f1.setLayout(gl);

    ldbal=new JLabel(""+bal);
    txtname=new JTextField(10);
    txtacct=new JTextField(10);
    f1.add(lname);
    f1.add(txtname);
    f1.add(lacct);
    f1.add(txtacct);
    f1.add(lblbal);
    f1.add(ldbal);
    f1.add(btnsave);
    f1.add(btncancel);
```

```
f1.setSize(500,500);
f1.setVisible(true);
}
public void frmShow(double bal)
{
    btnok=new JButton("Ok");
    btnok.addActionListener(this);

    f2=new JFrame("Customer Information");
    f2.setLayout(gl);

    JLabel ldacct=new JLabel();
    JLabel ldname=new JLabel();
    ldname.setText(name);
    ldacct.setText(acct);
    ldbal.setText(""+bal);
    f2.add(lname);
    f2.add(ldname);
    f2.add(lacct);
    f2.add(ldacct);
    f2.add(lblbal);
    f2.add(ldbals);
    f2.add(btnok);
    f2.setSize(500,500);
    f2.setVisible(true);
    f2.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
}
```

```
public double frmdep(double bal)
{
    Frame frame= new Frame();

    String str = JOptionPane.showInputDialog(null, "Enter amount to be
Deposited : ", "Deposit",1);

    double amt;

    try{
        amt= Double.valueOf(str).doubleValue();

        bal= bal+amt;

        JOptionPane.showMessageDialog(frame,"New bal "+bal);
    }catch(Exception e)
    {
        JOptionPane.showMessageDialog(frame,"Invalid Input!! please enter correct
Amount");
    }

    return bal;
}
```

```
public double frmwith(double bal)
{
    Frame frame= new Frame();

    String str = JOptionPane.showInputDialog( null,"Enter amount to be
Withdraw : ", "Withdraw", 1);

    double amt;

    try{
```

```

    amt= Double.valueOf(str).doubleValue();
    bal= bal-amt;
    JOptionPane.showMessageDialog(frame,"New bal "+bal);
}

catch(Exception e)
{
    JOptionPane.showMessageDialog(frame,"Invalid Input!! please enter correct
Amount");
}

    return bal;
}

public void actionPerformed(ActionEvent e)
{JFrame frame;

    if (e.getActionCommand()=="Save")
    {
        name=txtname.getText();
acct=txtacct.getText();

        frame = new JFrame("Saving Record");
        try{
            if(name.equals("") || acct.equals(""))
            {
                JOptionPane.showMessageDialog(frame,"Please enter name and Account
no of the customer");

            }

            else

```



```

{
    //name=txtname.getText();
    //acct=txtacct.getText();

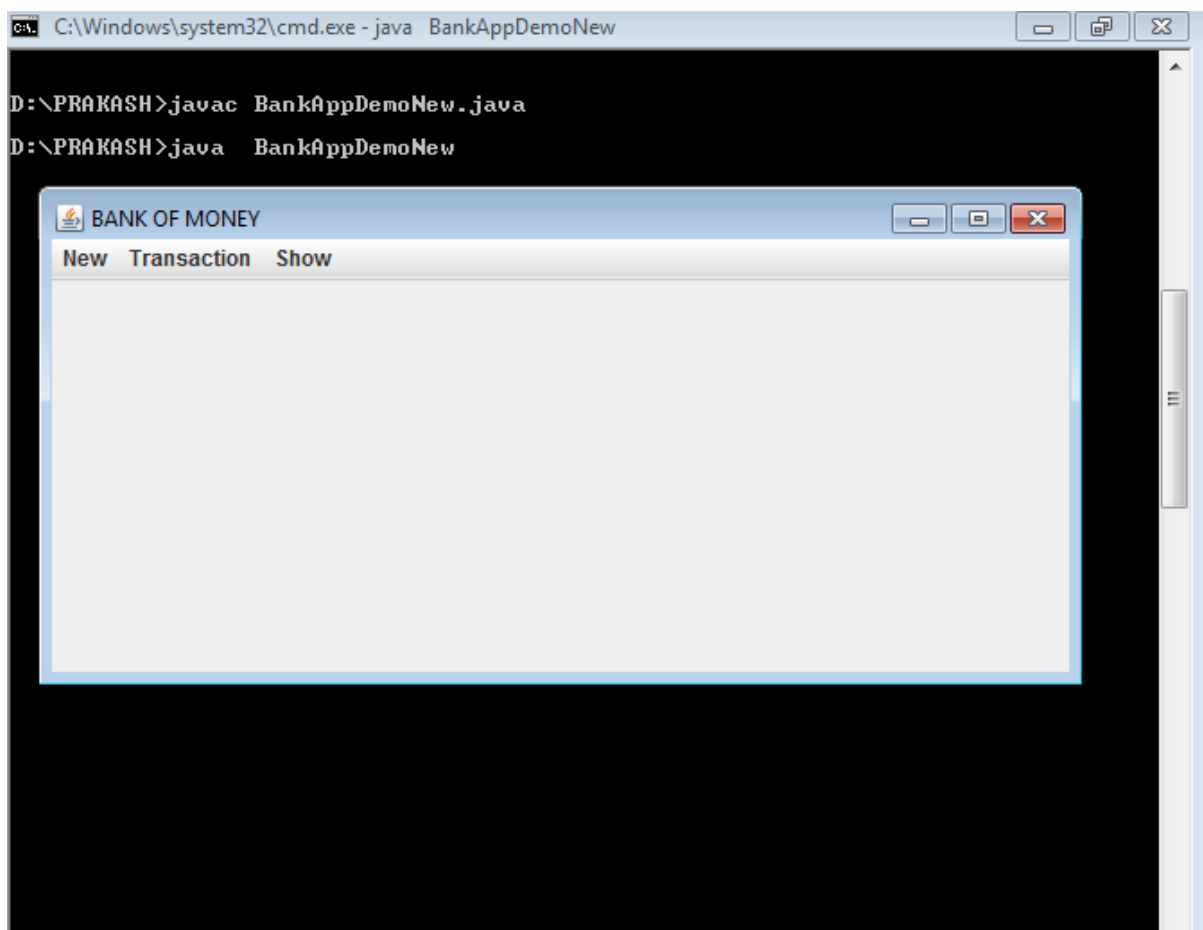
    JOptionPane.showMessageDialog(frame," New Customer account has been
created");
}
}
catch(Exception ex)
{
    JOptionPane.showMessageDialog(frame," Error in saving");
}
f1.setVisible(false);
}
else if(e.getActionCommand()=="Cancel")
{
    f1.setVisible(false);
}
else if(e.getActionCommand()=="Ok")
{
    f2.setVisible(false);
}
}
}

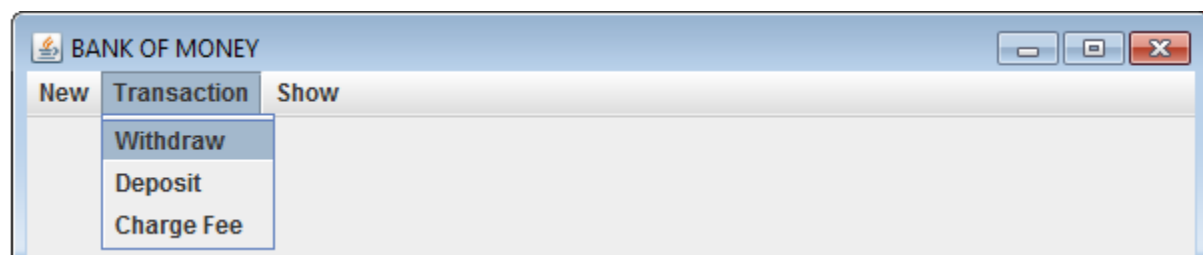
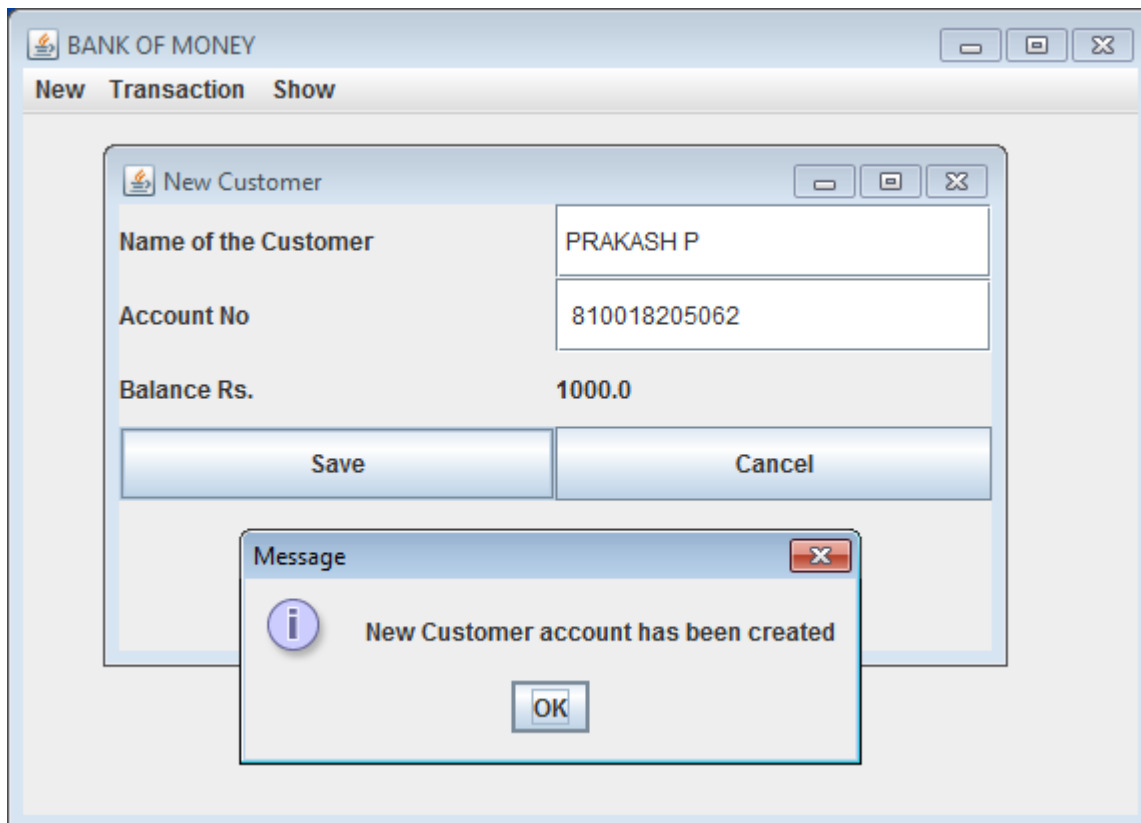
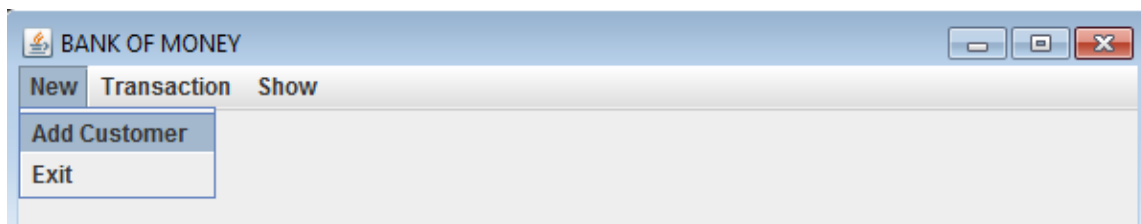
public class BankAppDemoNew
{
    public static void main(String a[])

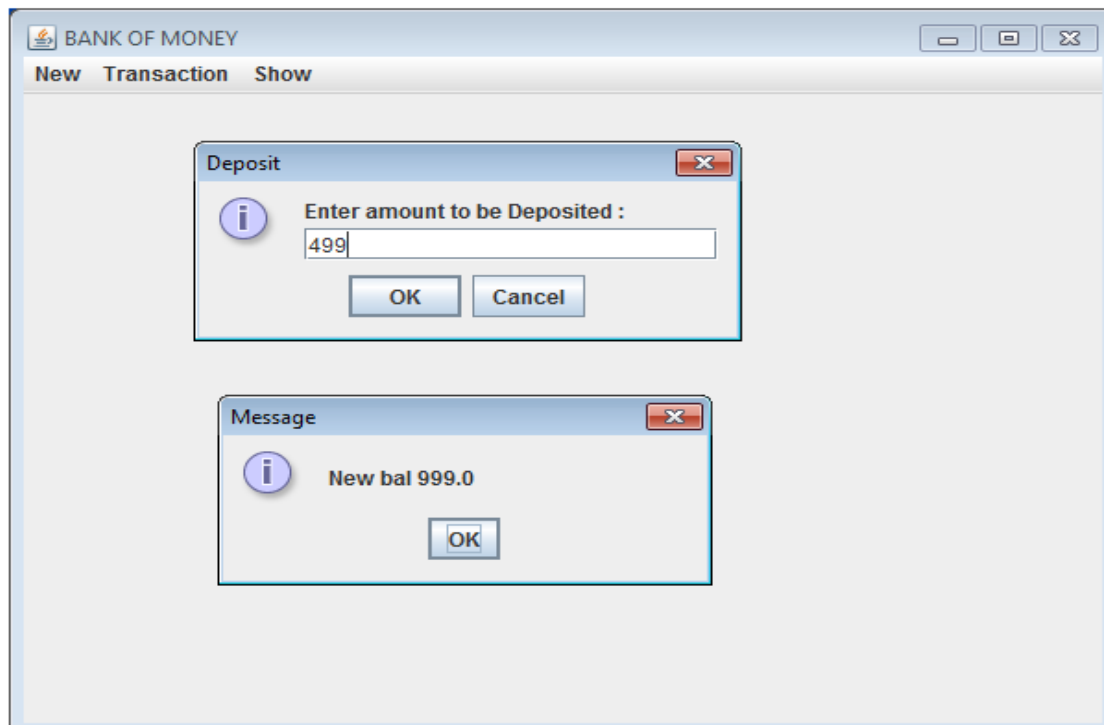
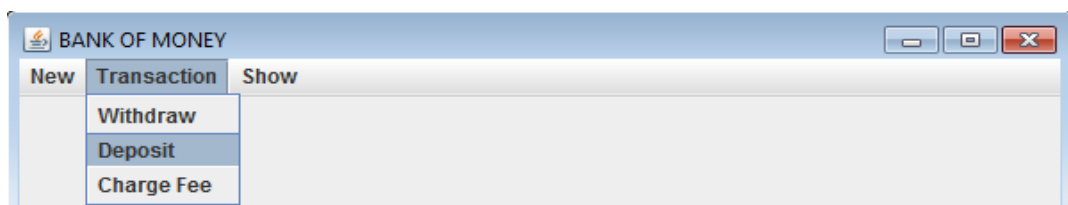
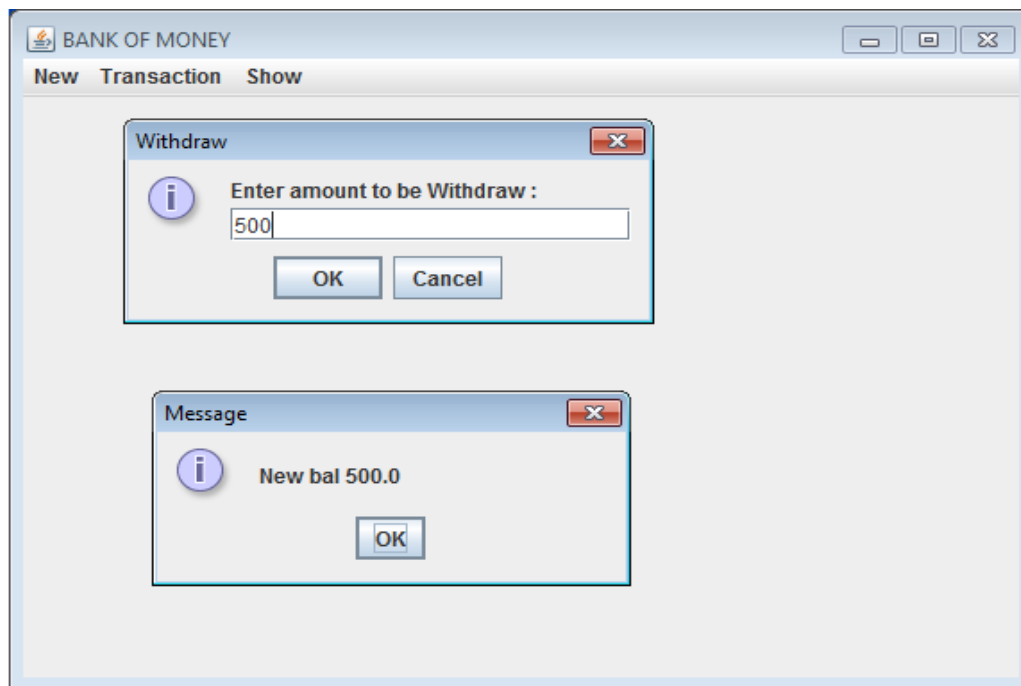
```

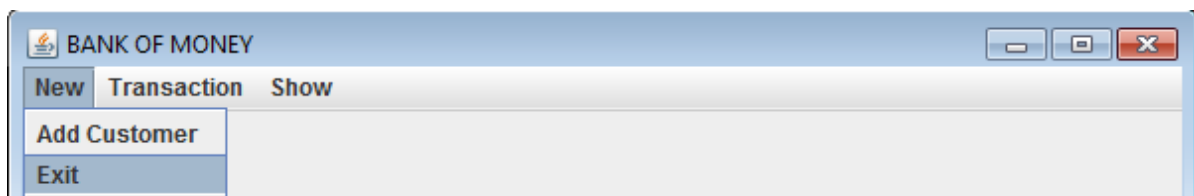
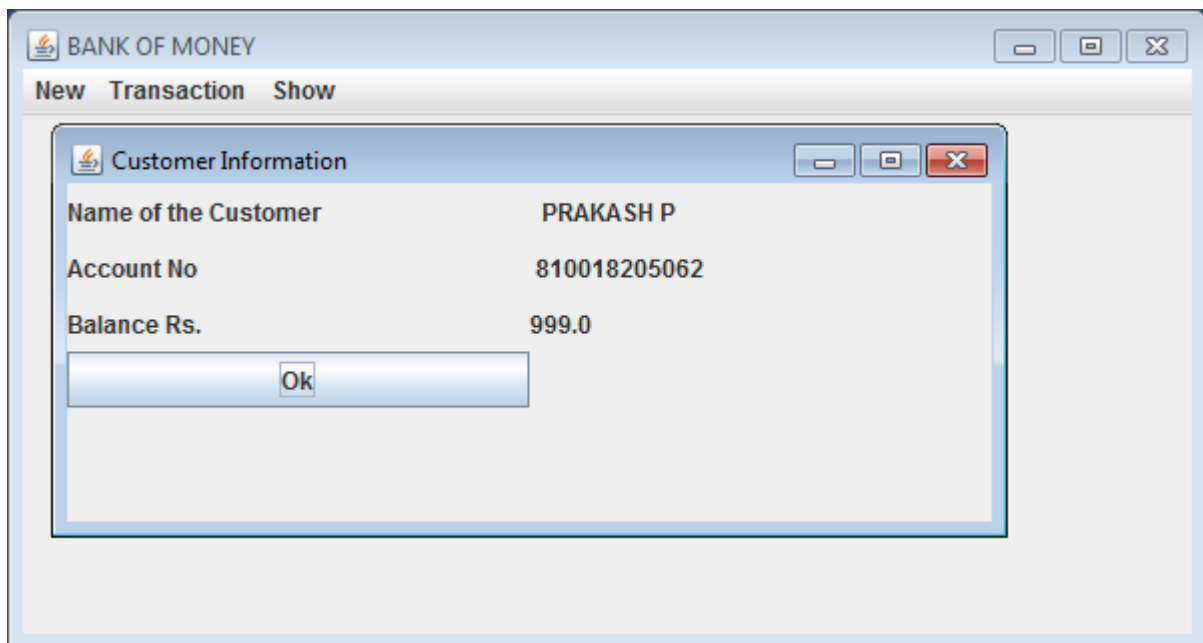
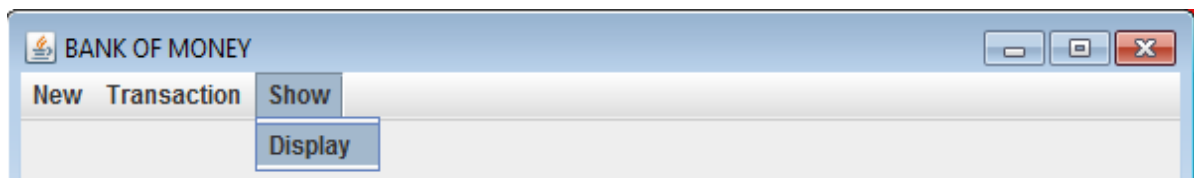
```
{  
    new BankApp();  
  
}  
}
```

OUTPUT :









RESULT :

Thus the java program for e banking system is created and executed successfully...