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Coding of My SQL:-

Creating Table Publisher :-

Create table publisher

(pub_int int(4) Primary key not null,

pub_name varchar(30) not null,

pub_phone1 varchar(40),

pub_phone2 varchar(40),

status char(1));

Creating Lib :-

Create table lib

(acc_no int(4) primary key,

acq_no int(4),

author1 varchar(30),

author2 varchar(30),

pub_id int(4),

price float(7),

pdate date,

pages int(4),

edition int(4),

Foreign Key (pub_id) References publisher(pub_id),

status char(1));

Creating Table Member :-

Create table member

(memb_no int(4) Primary Key,

memb_name varchar(30),

memb_add varchar(40),

mdate date,

medate date,

mfee double(8,2),

mem_status char(1),

mem_issue char(1));

Creating Table Missue :-

Create table Missue

(acc_no int(4),

acq_no int(4),

memb_no int(4),

idate date,

rdate date);

Creating Table Tissue :-

Create table Tissue

(acc_no int(4),

acq_no int(4),

memb_no int(4),

idate date,rdate date);

Coding of JAVA:-

ABListUI:-

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

    this.setVisible(false);   **}**

   private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

DefaultListModel model=(DefaultListModel)jTable1.getModel();

    int rows=model.getRowCount();

    if(rows>0){

    for(int i=0;i<rows;i++){   model.removeRow(0);   }   }

    char st='Y';

    String query="select * from lib where status='"+st+"';";

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

     Connection con=(Connection)

         DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

     Statement stmt=con.createStatement();

     ResultSet rs=stmt.executeQuery(query);

     while(rs.next()){

     String Acno=rs.getString("acc_no");

     String bTitle=rs.getString("btitle");

     String Auth1=rs.getString("author1");

     String Price=rs.getString("price");

     String edition=rs.getString("edition");

model.addRow(new Object[] {Acno,bTitle,Auth1,Price,edition});   }   }

    catch(Exception e){   JOptionPane.showMessageDialog(this,e.getMessage());   }   **}**

IBListUI:-

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

this.setVisible(false);     }

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

DefaultListModel model=(DefaultListModel)jTable1.getModel();

    int rows=model.getRowCount();

    if(rows>0){        for(int i=0;i<rows;i++){

    model.removeRow(0);        }        }

    char st='N';

    String query="select * from lib where status='"+st+"';";

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

     Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

     Statement stmt=con.createStatement();

     ResultSet rs=stmt.executeQuery(query);

     while(rs.next()){

     String Acno=rs.getString("acc_no");

     String bTitle=rs.getString("btitle");

     String Auth1=rs.getString("author1");

     String Price=rs.getString("price");

     String edition=rs.getString("edition");

model.addRow(new Object[] {Acno,bTitle,Auth1,Price,edition});        }        }

    catch(Exception e){

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

IssueUI:-

```java
public class IssueUI extends javax.swing.JFrame {

    Statement stmt=null;
```

```java
        ResultSet rs=null;

        char st1='N';

        char ms='N';

        String SQL="select * from member where mem_issue='"+st1+"'and mem_status='"+ms+"'";

        Statement stmt1=null;

        ResultSet rs1=null;

        char st='Y';

        String SQL1="select * from lib where status='"+st+"';";

         Statement stmt2=null;

        ResultSet rs2=null;

        String SQL2="select * from Missue";

        Statement stmt3=null;

        ResultSet rs3=null;

        String SQL3="select * from Tissue";  }
```

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

```java
this.setVisible(false);  }
```

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

```java
try{        Class.forName("con.mysqul.jdbe.Driver");

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysqul://localhost:3306/lbsystem","root","tiger");

   stmt2=con.createStatement();

   rs2=stmt.executeQuery(SQL);

   stmt3=con.createStatement();

   rs3=stmt.executeQuery(SQL);

   int Acno=Integer.parseInt(txtacno.getText.trim());

   int MNo=Integer.parseInt(txtIDate.getText.trim());
```

```java
   String idt=txtIDate.getText();

      String rdt=idt;

      int code=JOptionPane.showConfirmDialog(this,"Are you sure to add ?","Confirmation Dialog
Box",JOptionPane.YES_NO_CANCEL_OPTION,JOptionPane.INFORMATION_MESSAGE);

      if(code==JOptionPane.YES_OPTION){

      String strSQL="INSTER INTO
Missue(acc_no,memb_no,idate,rdate)VALUES("+(Acno)+","+(Mno)+",'"+(idt)+"','"+(rdt)+"')";

      stmt2.executeUpdate(strSQL);

      stmt3.executeUpdate(strSQL1);

      char sta='N';

      String strSQLa="Update Lib set status='"+(sta)+"'where acc_no="+(Acno);

      stmt1.executeUpdate(strSQLa);

      char stb='Y';

      String strSQLb="Update Member set mem_issue='"+(stb)+"'where memb_no="+(Mno);

      stmt.executeUpdate(strSQLb);

      JOptionPane.showMessageDialog(this,"Record update successfully");}

       }catch(Exception e){

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

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

String MembNo=(String)jList1.getSelectedValue();

      String Mno=MembNo.trim().substring(0,3);

      String query="select * from member where memb_no="+(Mno)+";";

      try{        Class.forName("com.mysql.jdbc.Driver").newInstance();

      Connection con=(Connection)
DriverManager.getConnection("jdbc:mysqul://localhost:3306/lbsystem","root","tiger");

      stmt=con.createStatement();

      rs=stmt.executeQuery(query);

      if(rs.next()){          String MName=rs.getString("memb_name");
```

```java
        String MDate=rs.getString("mdate");

        String MStatus=rs.getString("mem_status");

    txtMNo.setText(Mno);

    txtMName.setText(MName);

    txtMDate.setText(MDate);

    txtMStatus.setText(MStatus);

      }else{

    JOptionPane.showMessageDialog(null,"record does not found in member table");        }

      }catch(Exception e){

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

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

```java
txtMNo.setEditable(false);

    txtMName.setEditable(false);

    txtMDate.setEditable(false);

    txtMStatus.setEditable(false);

    txtAcno.setEditable(false);

    txtBTitle.setEditable(false);

    txtAuth1.setEditable(false);

    txtPID.setEditable(false);

    txtStatus.setEditable(false);

    DefaultListModel dModel=(DefaultListModel)jList1.getModel();  }
```

<div align="center">

LibDelUI:-

</div>

public class LibDelUI extends javax.swing.JFrame {

```java
Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from lib";  }
```

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

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

        Connection con=(Connection)

            DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);

        int Acno=Integer.parseInt(txtAcno.getText().trim());

        int opt=JOptionPane.showConfirmDialog(null,"Are you sure to delete this record?");

        if(opt==JOptionPane.YES_OPTION)            {   try{   if(txtStatus.getText().contains("Y"))

            {   String strSQL="Delete from lib where acc_no="+(Ano);

                int rowsEffected=stmt.executeUpdate(strSQL);

                if(rowsEffected==0)

                    JOptionpane.showMessageDialog(this,"Record does not exist");

    else {  JOptionPane.showMessageDialog(this,"Record can not ne deteted, because status is 'N'"); }}
else     JOptionPane.showMessageDialog(null,"Unable to delete");   }                 }

            con.close();

            stmt.close();

            rs.colse();

            }catch(Exception e){

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

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

this.setVisible(false);  }

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

String MBook=(String)jList1.getSelectedValue();

    String Acno=MBook.trim().substring(0,3);

    String query="select * from lib where acc_no="+Acno+";";

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

```java
Connection con=(Connection)

    DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

stmt=con.createStatement();

rs=stmt.executeQuery(query);

if(rs.next()){              String bTitle=rs.getString("btitle");

   String Auth1=rs.getString("author1");

   String Auth2=rs.getString("author2");

   String PID=rs.getString("pub_id");

   String Price=rs.getString("price");

   String PDate=rs.getString("pdate");

   String pages=rs.getString("pages");

   String edition=rs.getString("edition");

   String PStatus=rs.getString("status");

   txtAcno.setText(Acno);

   txtBTitle.setText(bTitle);

   txtAuth1.setText(Auth1);

   txtAuth2.setText(Auth2);

   txtPID.setText(PID);

   txtPrice.setText(Price);

   txtPDate.setText(PDate);

   txtPages.setText(pages);

   txtEdition.setText(edition);

   txtStatus.setText(PStatus);

   con.close();

   stmt.close();

   rs.close();
```

```java
        }else{    JOptionPane.showMessageDialog(null,"Record does not found in student table");  }

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

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

```java
txtAcno.setEditable(false);

    DefaultListModel dModel=(DefaultListModel)jList1.getModel();

    dModel.clear();

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    while(rs.next()){

       String Ano=rs.getString("acc_no");

       String BTitle=rs.getString("btitle");

       if(Ano=length()<4){

       int x=Pno.length();

       int nl=4-x;

       while(nl>0){

       Ano=Ano+" ";

       nl--;  }          }

    dModel.addElement(Ano+" "+BTitle);        }

    jList1.setModel(dModel);       }

    catch(Exception e){

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

    e.printStackTrace();     } }
```

LibEditUI:-

```java
public class LibEditUI extends javax.swing.JFrame {

Statement stmt1=null;

    String SQL1="Select * from publisher";

    ResultSet rs1=null;

    Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from lib";  }

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

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    int Acno=Integer.parseInt(txtAcno.getText().trim());

    String bTitle=txtBTitle.getText();

   String Auth1=txtAuth1.getText();

   String Auth2=txtAuth2.getText();

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

   String NPubNo=String.valueOf(pName.substring(0,3).trim());

   int Npno=Integer.parseInt(NPubNo);

   int PID=Integer.parseInt(txtPID.getText());

   if(Npno!=PID)

      PID=Npno;

   float Price=Float.parseFloat(txtPrice.getText());

   int pages=Integer.parseInt(txtPages.getText());

   int edition=Integer.parseInt(txtEdition.getText());
```

```java
String Pdate=txtPDate.getText();

String BStatus=txtStatus.getText();

String strSQL="update lib set
btitle='"+(bTitle)+"',author1='"(Auth1)+"',author2='"(Auth2)'",pub_id="+(PID)+",price="+(Price)+",pd
ate='"+(Pdate)+"',pages="+(pages)+",edition="+(edition)+",status='"+(BStatus)+"'where
acc_no="+(Acno);

int rowsEffected=stmt.executeUpdate(strSQL);

if(rowsEffected==0)

   JOptionPane.showMessageDialog(this,"record does not exist");

else     JOptionPane.showMessageDialog(this,"Record Modified");

    }catch(Exception e){

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

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

this.setVisible(false);  }

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtAcno.setEditable(false);

   txtPID.setEditable(false);

   txtStatus.setEditable(false);

   DefaultListModel dModel=(DefaultListModel)jList1.getModel();

   dModel.clear();        try{

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

   Connection con=(Connection)

   DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);

       while(rs.next()){         String Ano=rs.getString("acc_no");

       String BTitle=rs.getString("btitle");

       if(Ano.length()<4)         {
```

```java
        int x=Ano.length();

        int ln=4-x;

        while(nl>0){

            Ano=Ano+"";

            nl--;          }          }

    dModel.addElement(Ano+" "+BTitle);      }

    jList.setModel(dModel);

    DefaultComboBoxModel cModel=(DefaultComboBoxModel)jComboBox1.getModel();

    cModel.removeAllElements();

        stmt1=con.createStatement();

        rs=stmt.executeQuery(SQL1);

        while(rs1.next()){

        String pubno=rs.getString("pub_id");

        String pubName=rs.getString("pub_name");

        txtStatus.setText("Y");

        if(pubno.length()<4)

        {            int x=pubno.length();

            int ln=4-x;

            while(nl>0){

                Ano=Ano+"";

                nl--;    }

        }    cModel.addElement(pubno+" "+pubName);        }

    }catch(Exception e){        JOptionPane.showMessageDialog(this,e.getMessage));

e.printStackTrace();        }  }

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

String MBook=(String)jList1.getSelectedValue();
```

```java
String Acno=MBook.trim().substring(0,3);

String query="select * from lib where acc_no="+Acno+";";

 try{     Class.forName("com.mysql.jdbc.Driver").newInstance();

 Connection con=(Connection)

 DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

     stmt=con.createStatement();

     rs=stmt.executeQuery(query);

if(rs.next()){         String bTitle=rs.getString("btitle");

   String Auth1=rs.getString("author1");

   String Auth2=rs.getString("author2");

   String PID=rs.getString("pub_id");

   String Price=rs.getString("price");

   String PDate=rs.getString("pdate");

   String pages=rs.getString("pages");

   String edition=rs.getString("edition");

   String PStatus=rs.getString("status");

   txtAcno.setText(Acno);

  txtBTitle.setText(bTitle);

   txtAuth1.setText(Auth1);

   txtAuth2.setText(Auth2);

   txtPID.setText(PID);

   txtPrice.setText(Price);

   txtPDate.setText(PDate);

   txtPages.setText(pages);

   txtEdition.setText(edition);

   txtStatus.setText(PStatus);
```

```
        con.close();

        stmt.close();

        rs.close();

    }else{    JOptionPane.showMessageDialog(null,"Record does not found in student table"); }

    }catch(Exception e){

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

    } }
```

LibUI:-

```java
public class LibUI extends javax.swing.JFrame {

Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from lib";

    Statement stmt1=null;

    Statement stmt2=null;

    String SQL1="select * from publisher"; }

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

cmdSave.setEnabled(true);

    DefaultComboBoxModel cModel=(DefaultComboBoxModel)jComboBox1.getModel();

    cmodel.removeAllElements();

    txtStatus.setEditable(false);

    cmdSave.setEnabled(true);

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

        Connection con=(Connection)

            DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);
```

```java
        int acno=0;

        int ACNO=0;

        while(rs.next()){

          ACNO=rs.getInt("acc_no");          }

        ACNO++;

                acno=ACNO;

        txtAcno.setText(Integer.toString(acno));

        stmt1=con.createStatement();

        rs1=stmt.executeQuery(SQL1);

        while(rs1.next()){

          String pubno=rs1.getString("pub_id");

          String pubName=rs1.getString("pub_id");

          txtStatus.setText('Y');

          if(pubno.length()<4){

            int x=pubno.length();

            int nl=4-x;

            while(nl>0){

              pubno=pubno+" ";

              nl--;          }          }

        cModel.addElement(pubno+" "+pubName);          }

      } catch(Exception e){

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

        e.printStackTrace();          }

}

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

try{        Class.forName("com.mysql.jdbc.Driver")
```

```java
Connection con=(Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/Library","root","tiger")

stmt=con.createStatement();

rs=stmt.executeQuery(SQL);

int Acno=Integer.parseInt(txtAcno.getText());

String bTitle=txtBTitle.getText();

String Auth1=txtAuth1.getText();

String Auth2=txtAuth2.getText();

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

String Pubno=String.valueOf(pName.substring(0,3).trim());

int pno=Integer.parseInt(Pubno);

jLabel10.setText(""+pno);

float Price=Float.parseFloat(txtPrice.getText());

int Pages=Integer.parseInt(txtPages.getText());

int Edition=Integer.parseInt(txtEdition.getText());

String Pdate=txtPDate.getText();

char BStatus='Y';

int code=JOptionPane.showConfirmDialog(this,"Are you sure to add?","Confermation
DialogBox",JOptionPane.YES_NO_CANCEL_OPTION,

JOptionPane.INFORMATION_MESSAGE);

if(code==JOptionPane.YES_OPTION){

    String strSQL="INSERT into
lib(acc_no,btitle,author1,author2,pub_id,price,pdate,pages,edition,status) VALUES
("+(Acno)+",'"+(bTitle)+"','"+(Auth1)"','"+(Auth2)+"','"+(pno)+"','"+(Price)+"','"+(Pdate)+"','"+(pages)+"'
,'"+(edition)+"','"+(BStatus)+"')";

            int rowsEffected=stmt.executeUpdate(strSQL);

    JOptionPane.showMessageDialog(this,"Record added successfully into lib table");        }

cmdSave.setEnable(false)
```

```java
        } catch(Exception  e){

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

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

```java
this.setVisible(false);

        new LibEditUI().setVisible(true);          }
```

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {

```java
this.setVisible(false);

    new LibDelUI.setVisible(true);    }
```

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

```java
DefaultComboBoxModel cModel=(DefaultComboBoxModel)jComboBox1.getModel();

    txtAcno.setText("");

        txtBTitle.setText("");

        txtAuth1.setText("");

        txtAuth2.setText("");

        txtPh2.setText("");

        cModel.removeAllElements();

        txtPrice.setText("");

        txtEdition.setText("");

        txtPDate.setText("");

        txtPages.setText("");

        txtStatus.setText("");

        cmdSave.setEnabled(false); }
```

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

```java
this.setVisible(false); }
```

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

```java
txtAcno.setEditabled(false);
```

cmdSave.setEnabled(false); **}**

MListUI:-

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

this.setVisible(false); **}**

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

DefaultListModel model=(DefaultListModel)jTable1.getModel();

    int rows=model.getRowCount();

    if(rows>0){

    for(int i=0;i<rows;i++){

    model.removeRow(0);   }   }

    String query="select * from member";

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

     Connection con=(Connection)

         DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

     Statement stmt=con.createStatement();

     ResultSet rs=stmt.executeQuery(query);

     while(rs.next()){   String Mno=rs.getString("memb_no");

     String MName=rs.getString("memb_name");

     String MAdd=rs.getString("memb_add");

     String MPh1=rs.getString("memb_phone");

     String MDate=rs.getString("mdate");

model.addRow(new Object[] {Mno,MName,MAdd,MPh1,MDate});   }   }

    catch(Exception e){

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

MainUI:-

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

```java
new pubUI().setVisible(true);

    new pubUI().getAlignmentX(); }

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

System.exit(0); }

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

new PubEditUI().setVisible(true); }

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

new PubDelUI().setVisible(true); }

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

new PubNavUI().setVisible(true); }

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

new LibUI().setVisible(true); }

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

new LibEditUI().setVisible(true); }

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

new MembUI().setVisible(true); }

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

new MembEditUI().setVisible(true); }

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

new MembDelUI().setVisible(true); }

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

new MembNavUI().setVisible(true); }

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {

new IssueUI().setVisible(true); }

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

new ReturnUI().setVisible(true); }
```

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

new ABListUI().setVisible(true); }

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

new IBListUI().setVisible(true); }

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

new MListUI().setVisible(true); }
```

MembDelUI:-

```java
public class MembDelUI extends javax.swing.JFrame {

Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from member";  }

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

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    int Mno=Integer.parseInt(txtMNo.getText());

    int opt=JOptionPane.showConfirmDialog(null,"are you sure this record?");

    if(opt==JOptionPane.YES_OPTION){

    try{        char stb='N';

    String strSQL="update member set mem_status='"+(stb)+

        "' where memb_no="+(Mno);

    int rowsEffected=stmt.executeUpdate(strSQL);

    if(rowsEffected==0)

        JOptionPane.showMessageDialog(this,"record does not exist");
```

```java
        else{           JOptionPane.showMessageDialog(this,"Record deleted");

            txtMNo.setText("");

            txtMName.setText("");

            txtMAdd.setText("");

            txtMPh.setText("");

            txtMDate.setText("");

            txtMStatus.setText("");           }

        }catch(Exception e){

        JOptionPane.showMessageDialog(null,e.getMessage());          } }

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

String MembNo=(String)jList1.getSelectedValue();

        String Mno=MembNo.trim().substring(0,3);

        String query="select * from member where memb_no="+(Mno)+";";

        try{            Class.forName("com.mysql.jdbc.Driver").newInstance();

            Connection con=(Connection)

                DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

            stmt=con.createStatement();

            rs=stmt.executeQuery(query);

            if(rs.next()){              String MName=rs.getString("memb_name");

                String MAdd=rs.getString("memb_add");

                String MPh1=rs.getString("memb_phone");

                String MDate=rs.getString("mdate");

                String MEDate=rs.getString("medate");

                String MFee=rs.getString("mfee");

                String MStatus=rs.getString("mem_status");

                String MIssue=rs.getString("mem_issue");
```

```java
                txtMNo.setText(Mno);

                txtMName.setText(MName);

                txtMAdd.setText(MAdd);

                txtMPh.setText(MPh1);

                txtMDate.setText(MDate);

                txtMFee.setText(MFee);

                txtMStatus.setText(MStatus);

                txtMStatus.setEditable(false);            }
        }catch(Exception e){

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

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

    this.setVisible(false); }

    private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

    txtMNo.setEditable(false);

        txtMName.setEditable(false);

        txtMAdd.setEditable(false);

        txtMPh.setEditable(false);

        txtMDate.setEditable(false);

        txtMFee.setEditable(false);

        txtMStatus.setEditable(false);

        DefaultListModel dModel=(DefaultListModel)jList1.getModel();

        dModel.clear();

        try{        Class.forName("com.mysql.jdbc.Driver").newInstance();

            Connection con=(Connection)

                DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

            stmt=con.createStatement();
```

```
        rs=stmt.executeQuery(SQL);

     while(rs.next()){

        String Mno=rs.getString("memb_no");

        String MName=rs.getString("memb_name");

        if(Mno.length()<4)             {

           int x=Mno.length();

           int nl=4-x;

           while(nl>0){

              Mno=Mno+"";

              nl--;      }           }

dModel.addElement(Mno+""+MName);            }

      jList1.setModel(dModel);

    }catch(Exception e){

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

      e.printStackTrace();        }    }
```

MembEditUI:-

public class MembEditUI extends javax.swing.JFrame {

```
Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from member"; }
```

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

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

      Connection con=(Connection)

         DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

      stmt=con.createStatement();

      rs=stmt.executeQuery(SQL);
```

```java
        int Mno=Integer.parseInt(txtMNo.getText());

        String MName=txtMName.getText();

String MAdd=txtMAdd.getText();

String MPh1=txtMPh.getText();

String MEDate=txtMDate.getText();

String MDate=txtMDate.getText();

char MStatus='Y';

double MFee=Double.parseDouble(txtMFee.getText());

    String strSQL="update memberset
memb_name='"(MName)+"','"memb_add='"+(MAdd)+"'memb_phone='"+(MPh1)"'",

        mdate='"+(MDate)+"',mfee="+(MFee)+" where memb_no="+(Mno);

int rowsEffected=stmt.executeUpdate(strSQL);

if(rowsEffected==0)

    JOptionPane.showMessageDialog(this,"record does not exist");

else   JOptionPane.showMessageDialog(this,"record modified");

    }catch(Exception e){     JOptpionPane.showMessageDialog(this,e.getMessage());     } }

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

String MembNo=(String)jList1.getSelectedValue();

    String Mno=MembNo.trim().substring(0,3);

    String query="select * from member where memb_no="+(Mno)+";";

    try{   Class.forName("com.mysql.jdbc.Driver").newInstance();

      Connection con=(Connection)

          DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

      stmt=con.createStatement();

      rs=stmt.executeQuery(query);

      if(rs.next()){

      String MName=rs.getString("memb_name");
```

```java
        String MAdd=rs.getString("memb_add");

        String MPh1=rs.getString("memb_phone");

        String MDate=rs.getString("mdate");

        String MEDate=rs.getString("medate");

        String MFee=rs.getString("mfee");

        String MStatus=rs.getString("mem_status");

        String MIssue=rs.getString("mem_issue");

        txtMNo.setText(Mno);

txtMName.setText(MName);

txtMAdd.setText(MAdd);

txtMPh.setText(MPh1);

txtMDate.setText(MDate);

txtMFee.setText(MFee);

txtMStatus.setText(MStatus);

txtMStatus.setEditable(false);           }

     }catch(Exception e){    JOptionPane.showMessageDialog(this,e.getMessage());     } }

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtMNo.setEditable(false);

    txtMStatus.setEditable(false);

    DefaultListModel dModel=(DefaultListModel)jList1.getModel();

    dModel.clear();

    try{      Class.forName("com.mysql.jdbc.Driver").newInstance();

      Connection con=(Connection)

          DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

      stmt=con.createStatement();

      rs=stmt.executeQuery(SQL);
```

```java
            while(rs.next()){

            String Mno=rs.getString("memb_no");

            String MName=rs.getString("memb_name");

            if(Mno.length()<4            {

               int x=Mno.length();

               int nl=4-x;

               while(nl>0){

                  Mno=Mno+"";

                  nl--;   }      }

            dModel.addElement(Mno+""+MName);            }

             jList1.setModel(dModel);

         }catch(Exception e){

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

         e.printStackTrace();         } }
```

MembNavUI:-

```java
public class MembNavUI extends javax.swing.JFrame {

Statement stmt=null;

ResultSet rs=null;

String SQL="Select * from member";

    public void disable_textfields(){

   txtMNo.setEditable(false);

      txtMName.setEditable(false);

      txtMAdd.setEditable(false);

      txtMPh.setEditable(false);

      txtMFee.setEditable(false);

      txtMStatus.setEditable(false);
```

```java
        txtMIssue.setEditable(false);  }

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

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

      Connection con=(Connection)

           DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

      if(rs.previous())         {

      String Mno=rs.getString("memb_no");

      String MName=rs.getString("memb_name");

      String MAdd=rs.getString("memb_add");

      String MPh1=rs.getString("memb_phone");

      String MDate=rs.getString("mdate");

      String MEDate=rs.getString("medate");

      String MFee=rs.getString("mfee");

      String MStatus=rs.getString("mem_status");

      String MIssue=rs.getString("mem_issue");

      txtMNo.setText(Mno);

      txtMName.setText(MName);

      txtMAdd.setText(MAdd);

      txtMPh.setText(MPh1);

      txtMFee.setText(MFee);

      txtMStatus.setText(MStatus);

      txtMIssue.setText(MIssue);

      cmdFirst.setEnabled(true);

      cmdNext.setEnabled(true);

      cmdPrev.setEnabled(true);

      cmdLast.setEnabled(true);      }
```

```java
        else{      cmdPrev.setEnabled(false);

        JOptionPane.showMessageDialog(this,"You Are At First Position","Student",0);          }          }

        catch (Exception e){

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

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

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

        Connection con=(Connection)

            DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

        if(rs.previous())          {

        String Mno=rs.getString("memb_no");

        String MName=rs.getString("memb_name");

        String MAdd=rs.getString("memb_add");

        String MPh1=rs.getString("memb_phone");

        String MDate=rs.getString("mdate");

        String MEDate=rs.getString("medate");

        String MFee=rs.getString("mfee");

        String MStatus=rs.getString("mem_status");

        String MIssue=rs.getString("mem_issue");

        txtMNo.setText(Mno);

        txtMName.setText(MName);

        txtMAdd.setText(MAdd);

        txtMPh.setText(MPh1);

        txtMFee.setText(MFee);

        txtMStatus.setText(MStatus);

        txtMIssue.setText(MIssue);

        cmdFirst.setEnabled(true);
```

```java
            cmdNext.setEnabled(true);

            cmdPrev.setEnabled(true);

            cmdLast.setEnabled(true);         }

            else{    JOptionPane.showMessageDialog(this,"You Alredy At Last Position","Student",0);   }   }

            catch (Exception e){     JOptionPane.showMessageDialog(this,e.getMessage());         } }

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

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

        Connection con=(Connection)

            DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

        if(rs.previous())       {

        String Mno=rs.getString("memb_no");

        String MName=rs.getString("memb_name");

        String MAdd=rs.getString("memb_add");

        String MPh1=rs.getString("memb_phone");

        String MDate=rs.getString("mdate");

        String MEDate=rs.getString("medate");

        String MFee=rs.getString("mfee");

        String MStatus=rs.getString("mem_status");

        String MIssue=rs.getString("mem_issue");

        txtMNo.setText(Mno);

        txtMName.setText(MName);

        txtMAdd.setText(MAdd);

        txtMPh.setText(MPh1);

        txtMFee.setText(MFee);

        txtMStatus.setText(MStatus);

        txtMIssue.setText(MIssue);
```

```java
        cmdFirst.setEnabled(true);

        cmdNext.setEnabled(true);

        cmdPrev.setEnabled(true);

        cmdLast.setEnabled(true);        }

        else{        cmdNext.setEnabled(false);

        JOptionPane.showMessageDialog(this,"You Are At Last Position","Student",0);        }        }

        catch (Exception e){

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

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

this.setVisible(false);  }

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

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

        Connection con=(Connection)

            DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

        if(rs.previous())        {

        String Mno=rs.getString("memb_no");

        String MName=rs.getString("memb_name");

        String MAdd=rs.getString("memb_add");

        String MPh1=rs.getString("memb_phone");

        String MDate=rs.getString("mdate");

        String MEDate=rs.getString("medate");

        String MFee=rs.getString("mfee");

        String MStatus=rs.getString("mem_status");

        String MIssue=rs.getString("mem_issue");

        txtMNo.setText(Mno);

        txtMName.setText(MName);
```

```java
        txtMAdd.setText(MAdd);

        txtMPh.setText(MPh1);

        txtMFee.setText(MFee);

        txtMStatus.setText(MStatus);

        txtMIssue.setText(MIssue);

        cmdFirst.setEnabled(true);

        cmdNext.setEnabled(true);

        cmdPrev.setEnabled(true);

        cmdLast.setEnabled(true);          }

        else{        cmdPrev.setEnabled(false);

        cmdFirst.setEnabled(false);

        cmdLast.setEnabled(false);

        cmdNext.setEnabled(false);

        JOptionPane.showMessageDialog(this,"You Are At First Position","Student",0);          }          }

        catch (Exception e){

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

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

diable_textfields();

    try{

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

     Connection con=(Connection)

         DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

     stmt=con.createStatement();

     rs=stmt.executeQuery(SQL);

     if(rs.next()){

     String Mno=rs.getString("memb_no");
```

```java
String MName=rs.getString("memb_name");

String MNAdd=rs.getString("memb_add");

String MPh1=rs.getString("memb_phone");

String MDate=rs.getString("mdate");

String MEDate=rs.getString("medate");

String MFee=rs.getString("mfee");

String MStatus=rs.getString("mem_status");

String MIssue=rs.getString("mem_issue");

txtMNo.setText(Mno);

txtMName.setText(MName);

txtMAdd.setText(MAdd);

txtMPh.setText(MPh1);

txtMDate.setText(MDate);

txtMFee.setText(MFee);

txtMStatus.setText(MStatus);

txtMIssue.setText(MIssue);

cmdFirst.setEnabled(false);

cmdNext.setEnabled(true);

cmdPrev.setEnabled(false);

cmdLast.setEnabled(true);        }

else{        cmdFirst.setEnabled(false);

cmdNext.setEnabled(false);

cmdPrev.setEnabled(false);

cmdLast.setEnabled(false);

JOptionPane.showMessageDialog(this,"Here is no record in table","Student",0);        }

}catch(Exception e){
```

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

MembUI*:-*

public class MembUI extends javax.swing.JFrame {

Statement stmt=null;

ResultSet rs=null;

String SQL="select * from member"; **}**

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

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

Connection con=(Connection)

DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

stmt=con.createStatement();

rs=stmt.executeQuery(SQL);

int Mno=Integer.parseInt(txtMNo.getText());

String MName=txtMName.getText();

String MAdd=txtMAdd.getText();

String MPh1=txtMPh.getText();

String MEDate=txtMDate.getText();

String MDate=txtMDate.getText();

char MStatus='Y';

char MIssue='N';

double MFee=Double.parseDouble(txtMFee.getText());

int code=JOptionPane.showConfirmDialog(this,"are you sure to add?",

"Confirmation Dialog Box",JOptionPane.YES_NO_CANCEL_OPTION,

JOptionPane.INFORMATION_MESSAGE);

if(code==JOptionPane.YES_OPTION){

String strSQL="insert into
member(memb_no,memb_namememb_add,memb_phone,mdate,medate,mfee,mem_status,mem_issue)

```java
values("+(Mno)+","'"+(MName)+"','"+(MAdd)+"'"+(Ph1)+"','"+(MDate)+"','"(MEDate)+"','"+(MFee)+"','"(
MStatus)+"','"(MIssue)+"')";

int rowsEffected=stmt.executeUpdate(strSQL);

JOptionPane.showMessageDialog(this,"record added successfully into member table"); }

cmdSave.setEnabled(false);

    }catch(Exception e){

    JOptpionPane.showMessageDialog(this,e.getMessage());        } }

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

this.setVisible(false);

    new MembEditUI().setVisible(true);  }

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

txtMNo.setText("");

    txtMName.setText("");

    txtMAdd.setText("");

    txtMPh.setText("");

    txtMDate.setText("");

    txtMFee.setText("");

    txtMStatus.setText("");

    cmdSave.setEnabled(false);  }

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

this.setVisible(false);  }

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

txtMStatus.setText("Y");

    cmdSave.setEnabled(true);        try{

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

        Connection con=(Connection)

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

```java
        stmt=con.createStatement();

        rs=stmt.executeQuery(SQL);

        int MNO=0,Mno=0;

        while(rs.next()){

        MNO=rs.getInt("memb_no");          }

    MNO++;

    Mno=MNO;

    txtMNo.setText(Integer.toString(Mno));

        txtMName.setFocusable(true);

    }catch(Exception e){

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

    e.printStackTrace();        }   }
```

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

```java
txtMNo.setEditable(false);

    txtMStatus.setEditable(false);

    cmdSave.setEnabled(false);  }
```

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

```java
this.setVisible(false);

    new MembDelUI().setVisible(true);  }
```

PubDelUI:-

public class PubDelUI extends javax.swing.JFrame {

```java
Statement stmt=null;

  ResultSet rs=null;

  String SQL="Select * from publisher";

  public PubDelUI() {

    initComponents();  }
```

```java
private void cmdDeleteActionPerformed(java.awt.event.ActionEvent evt) {
try{        Class.forName("com.mysql.jdbc.Driver");

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    Statement stmt=null;

    ResultSet rs=null;

    String SQL="SELECT * from publisher";

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    int pno=Integer.parseInt(txtpno.getText());

    int opt=JOptionPane.showConfirmDialog(null,"Are you sure to delete this record?");

     if(opt==JOptionPane.YES_OPTION){

        try{         char stb='N';

        String strSQL="Update publisher set status='"+(stb)+"' where pub_id=1+(pno);

        int rowsEffected=stmt.executeUpdate(strSQL);

            if(rowsEffected==0)

        JOptionPane.showMessageDialog(this,"Record does not exists");

        else         {

        JOptionPane.showMessageDialog(this,"Record Deleted");

        txtpno.setText("");

        txtpname.setText("");

        txtadd.setText("");

    txtph1.setText("");

        txtph2.setText("");

        txtstatus.setText("");

        txtpno.setEditable(true);              }         }
```

```java
        catch (Exception e) {

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

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

this.setVisible(false);   }

private void jList1MouseClicked(java.awt.event.MouseEvent evt) {

String MPub=(String)jList1.getSelectedValue();

    String PubN=MPub.trim().substring(0,3);

    String query="select * from publisher where pub_id="+PubN+";";

    try{        Class.forName("com.mysql.jdbc.Driver").newInstance();

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    stmt=con.createStatement();

    rs=stmt.executeQuery(query);

    if(rs.next()){        String PubName=rs.getString("pub_name");

    String PubAdd=rs.getString("pub_address");

    String PubPh1=rs.getString("pub_phone1");

    String PubPh2=rs.getString("pub_phone2");

    String PStatus=rs.getString("status");

    txtpno.setText(PubN);

    txtpname.setText(PubName);

    txtadd.setText(PubAdd);

    txtph1.setText(PubPh1);

    txtph2.setText(PubPh2);

    txtstatus.setText(PStatus);

    txtpno.setEditable(false);

    } else{    JOptionPane.showMessageDialog(null,"record does not found in Student table");    }
```

```java
        }catch(Exception e){          JOptionPane.showMessageDialog(null,e.getMessage());          }  }
private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {
txtpno.setEditable(false);

    DefaultListModel dModel=(DefaultListModel)jList1.getModel();

    dModel.clear();          try{

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    while(rs.next()){

       String Pno=rs.getString("pub_id");

       String PName=rs.getString("pub_name");

       if(Pno.length()<4)    {

          int x=Pno.length();

          int nl=4-x;

          while(nl>0){

             Pno=Pno+" ";

             nl--;               }           }

       dModel.addElement(Pno+" "+PName);          }

    jList1.setModel(dModel);

    con.close();          }

    catch(Exception e){

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

       e.printStackTrace();                }           }  }
```

PubEditUI:-

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

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    Statement stmt=null;

    ResultSet rs=null;

    String SQL="SELECT * from publisher";

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    int pno=Integer.parseInt(txtpno.getText());

    String PubName=txtpname.getText();

    String PubAdd=txtpadd.getText();

    String PubPh1=txtph1.getText();

     String PubPh2=txtph2.getText();

      String PStatus=txtstatus.getText();

  String strSQL="Update Publisher set
pub_name='"+(PubName)+"',pub_address='"+(PubAdd)+"',pub_phone1='"+(PubPh1)+"',pub_phone2='"+
(PubPh2)+"',status='"+(PStatus)+"'where pub_id="+(pno);

    int rowsEffected=stmt.executeUpdate(strSQL);

    if(rowsEffected==0)

       JOptionPane.showMessageDialog(this,"Record does not exists");

    else

      JOptionPane.showMessageDialog(this,"Record modifiefd");

   con.close();

    stmt.close();

    rs.close();      }

    catch (Exception e) {
```

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

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

this.setVisible(false);  }

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

txtpno.setEditable(false);

    DefaultListModel dModel=(DefaultListModel)jList1.getModel();

    dModel.clear();

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from publisher";

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    while(rs.next()){

       String Pno=rs.getString("pub_id");

       String Pname=rs.getString("pub_name");

       if(Pno=length()<4){

       int x=Pno.length();

       int nl=4-x;

       while(nl>0){

       Pno=Pno+" ";

        nl--;    }    }

    dModel.addElement(Pno+" "+Pname);        }

    jList1.setModel(dModel);
```

```
        con.close();         }

        catch(Exception e){

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

        e.printStackTrace();        } }
```

PubNavUI:-

```java
public class PubNavUI extends javax.swing.JFrame {

Statement stmt=null;

    ResultSet rs=null;

    String SQL="select * from publisher";

    public void disable_textfields(){

      txtpno.setEditable(false);

      txtpname.setEditable(false);

      txtpadd.setEditable(false);

      txtph1.setEditable(false);

      txtph2.setEditable(false);

      txtpstatus.setEditable(false);  }

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

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    if(rs.prev()){

      String PubN=rs.getString("pub_id");

      String PubName=rs.getString("pub_name");

    String PubAdd=rs.getString("pub_address");

    txtpno.setText(PubN);

    txtpname.setText(PubName);
```

```java
        txtpadd.setText(PubAdd);

        txtpph1.setText(PubPh1);

        txtph2.setText(PubPh2);

        txtpstatus.setText(PStatus);

        cmdfirst.setEnabled(true);

        cmdnext.setEnabled(true);

        cmdprev.setEnabled(true);

        cmdlast.setEnabled(true);

        }else{          cmdprev.setEnabled(false);

        JOptionPane.showMessageDialog(this,"You are at First Position","student",0);          }          }

        catch(Exception e){          JOptionpane.showMessageDialog(this,e.getMessage());  }    }  }
    private void cmdfirstActionPerformed(java.awt.event.ActionEvent evt) {
try{     Class.forName("com.mysql.jdbc.Driver");

    Connection con=(Connection)

         DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    if(rs.first()){

       String PubN=rs.getString("pub_id");

       String PubName=rs.getString("pub_name");

    String PubAdd=rs.getString("pub_address");

    txtpno.setText(PubN);

    txtpname.setText(PubName);

    txtpadd.setText(PubAdd);

    txtpph1.setText(PubPh1);

    txtph2.setText(PubPh2);

    txtpstatus.setText(PStatus);

    cmdfirst.setEnabled(false);
```

```java
        cmdnext.setEnabled(false);

        cmdprev.setEnabled(false);

        cmdlast.setEnabled(true);

        }else{        cmdfirst.setEnabled(false);

        cmdnext.setEnabled(false);

        cmdprev.setEnabled(false);

        cmdlast.setEnabled(false);

        JOptionPane.showMessageDialog(this,"Here is no record in table","student",0);        }        }

        catch(Exception e){

          JOptionpane.showMessageDialog(this,e.getMessage());        }    }    }

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

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

      Connection con=(Connection)

           DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

      if(rs.next()){

        String PubN=rs.getString("pub_id");

        String PubName=rs.getString("pub_name");

      String PubAdd=rs.getString("pub_address");

      txtpno.setText(PubN);

      txtpname.setText(PubName);

      txtpadd.setText(PubAdd);

      txtpph1.setText(PubPh1);

      txtph2.setText(PubPh2);

      txtpstatus.setText(PStatus);

      cmdfirst.setEnabled(true);

      cmdnext.setEnabled(true);
```

```java
        cmdprev.setEnabled(true);

        cmdlast.setEnabled(true);

        }else {      cmdnext.setEnabled(false);


    JOptionPane.showMessageDialog(this,"You are at last record position","student",0);        }    }

    catch(Exception e){          JOptionpane.showMessageDialog(this,e.getMessage());        }    }}
```

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

this.setVisible(false); **}**

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

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    if(rs.last()){          String PubN=rs.getString("pub_id");

       String PubName=rs.getString("pub_name");

    String PubAdd=rs.getString("pub_address");

    txtpno.setText(PubN);

    txtpname.setText(PubName);

    txtpadd.setText(PubAdd);

    txtpph1.setText(PubPh1);

    txtph2.setText(PubPh2);

    txtpstatus.setText(PStatus);

    cmdfirst.setEnabled(true);

    cmdnext.setEnabled(false);

    cmdprev.setEnabled(true);

    cmdlast.setEnabled(true);

    }else{          JOptionPane.showMessageDialog(this,"You are already at last record","student",0);    }
}
```

```java
        catch(Exception e){          JOptionpane.showMessageDialog(this,e.getMessage());  }    } }

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    if(rs.first()){          String PubN=rs.getString("pub_id");

       String PubName=rs.getString("pub_name");

    String PubAdd=rs.getString("pub_address");

    String PubAdd=rs.getString("pub_address");

    String PubPh1=rs.getString("pub_phone1");

    String PubPh2=rs.getString("pub_phone2");

    String PubStatus=rs.getString("pub_status");

    txtpno.setText(PubN);

    txtpname.setText(PubName);

    txtpadd.setText(PubAdd);

    txtpph1.setText(PubPh1);

    txtph2.setText(PubPh2);

    txtpstatus.setText(PStatus);

    cmdfirst.setEnabled(false);

    cmdnext.setEnabled(true);

    cmdprev.setEnabled(false);

    cmdlast.setEnabled(true);

    }else{       cmdFirst.setEnabled(false);

    cmdnext.setEnabled(false);
```

```
        cmdprev.setEnabled(false);

        cmdlast.setEnabled(false);

        JOptionPane.showMessageDialog(this,"Here is no record in table","student",0);        }        }

        catch(Exception e){         JOptionpane.showMessageDialog(this,e.getMessage());      }     } }
```

ReturnUI:-

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

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

        Connection con=(Connection)

            DriverManager.getConnection("jdbc:mysql://localhost:3306/Lbsystem","root","tiger");

        int Mno=0,Acno=0;

        Mno=Integer.parseInt(txtMNo.getText().trim());

        Acno=Integer.parseInt(txtAcno.getText().trim());

        int opt=JOptionPane.showConfirmDialog(null,"Are you sure to return this book?");

        if(opt==JOptionPane.YES_OPTION)        {

            String strSQLr="delete from tissue where memb_no="+(Mno);

            stmt3.executeUpdate(strSQLr);

            char sta='Y';

            String strSQLa="update lib set status='"+(sta)+"'where acc_no="+(Acno);

            stmt1.executeUpdate(strSQLa);

            char stb='N';

            String strSQLb="update member set mem_issue='"+(stb)+"'where memb_no="+(Mno);

            stmt.executeUpdate(strSQLb);

            JOptionPane.showMessageDialog(this,"thanks for returning book");     }   }        catch(Exception
e)        {

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

 private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {

```
this.setVisible(false);  }
```

PubUI:-

```java
private void cmdNewActionPerformed(java.awt.event.ActionEvent evt) {
cmdSave.setEnabled(true);

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

    Connection con=(Connection)

        DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

    Statement stmt=null;

    ResultSet rs=null;

    String SQL="Select * from publisher";

    stmt=con.createStatement();

    rs=stmt.executeQuery(SQL);

    int pno=1;

    int PID=0;

    while(rs.next()){

      PID=rs.getInt("Pub_id");

      pno++;          }

    PID++;         pno=PID;

    txtPno.setText(Integer.toString(pno));

    txtPName.setFocusable(true);

    con.close();

    rs.close();

    stmt.close();

  } catch(Exception e){

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

    e.printStackTrace();        } }

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

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

              Connection con=(Connection)

              DriverManager.getConnection("jdbc:mysql://localhost:3306/lbsystem","root","tiger");

              Statement stmt=null;

              Resultset rs=null;

              String SQL="Select * from publisher";

              stmt=con.createStatement();

              rs=stmt.executeQuery(SQL);

              int Pno=Integer.parseInt(txtPno.getText());

              String PName=txtPName.getText();

              String PAdd=txtPAdd.getText();

              String Pph1=txtPph1.getText();

              String Pph2=txtPph2.getText();

              char PStatus='Y';

              int code=JOptionPane.showConfirmDialog(this,"Are you sure to add?","Confermation
DialogBox",JOptionPane.YES_NO_CANCEL_OPTION,

              JOptionPane.INFORMATION_MESSAGE);

              if(code==JOptionPane.YES_OPTION){

                String strSQL="INSERT into
publisher(pub_id,pub_name,pub_adress,pub_phone1,pub_phone2,status)VALUES(
"+(Pno)+",'"+(PName)+"','"+(PAdd)"','"+(Pph1)+"',,'"+(Pph2)+"','"+(Pstatus)+"')";

                   int rowsEffected=stmt.executeUpdate(strSQL);

  JOptionPane.showMessageDialog(this,"Record added successfully into publisher table");        }

      con.close();

              stmt.close();

              rs.close();

              cmdSave.setEnable(false);

      } catch(Exception  e){
```

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

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

```
this.setVisible(false);

            new PubEditUI().setVisible(true);  }
```

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

```
txtPno.setText("");

        txtPName.setText("");

        txtPAdd.setText("");

        txtPh1.setText("");

        txtPh2.setText("");

        cmdSave.setEnabled(false);  }
```

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

```
this.setVisible(false);

    new MainUI.setVisible(true);  }
```

private void formWindowGainedFocus(java.awt.event.WindowEvent evt) {

```
txtPno.setEditabled(false);

   cmdSave.setEnabled(true);  }
```

Form 1:

Accesion No.

Book Title

Authers

Publisher   Item 1

Price   Pages   Edition

Purchase Date   Status

(YYYY-MM-DD)

New	Save	Edit	Delete	Clear	Exit

Form 2:

Accesion No.

Book Title

Authers

Pub ID

Price   Pages   Edition

Purchase Date   Status

(YYYY-MM-DD)

Select a Book

Delete	Exit
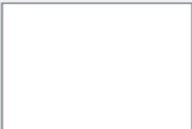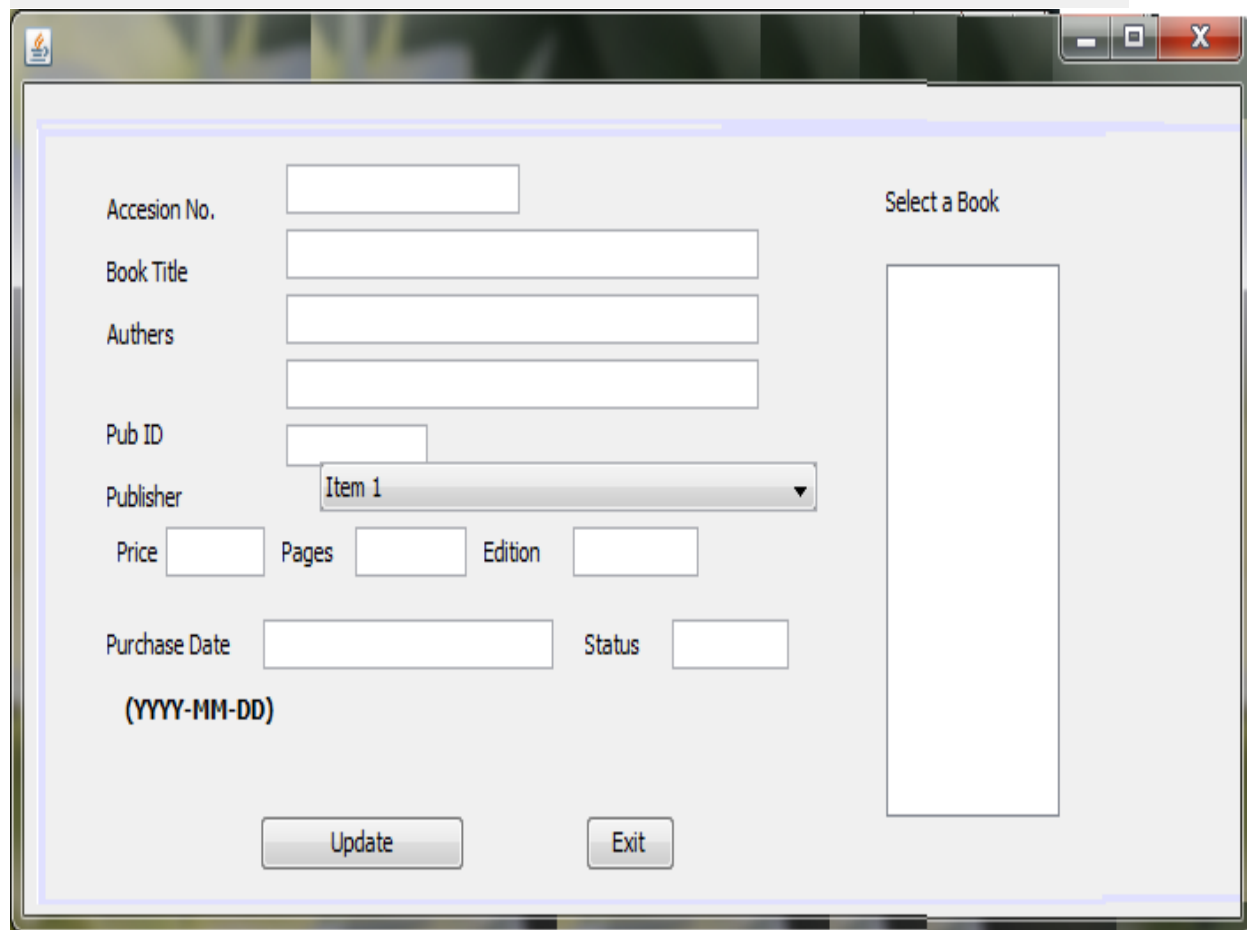
Select Member

	Member No.	
	Name	
	Membership Date	
	Status	

Select Book

	Accssion No	
	Book title	
	Author	
	Pub ID	
	Status	
	Enter Issue Date	

[Issue]   [Exit]

Accesion No.

Book Title

Authers

Pub ID

Publisher   Item 1 ▾

Price   Pages   Edition

Purchase Date   Status

(YYYY-MM-DD)

Select a Book

[Update]   [Exit]

Select Member

Member no

Name

Membership Date

Status

Accession NO   Title

Author

Return   Exit

Publisher   Book   Member   Report   Quit

Indian

***   **Indian Library**   ***

Managment System

Member Information

Member No.

Name

Address

Phone/Mobile   Membership Date

Membership Fee

YYYY-MM-DD

Status

| New | Save | Edit | Delete | Clear | Exit |

Select a Member

Member No.

Name

Address

Phone/Mobile

Membership Fee

Membership Date

YYYY-MM-DD

Status

| Delete | Exit |

Window 1

Member No.

Select a Member

Name

Address

Phone/Mobile

Membership Fee

Membership Date

YYYY-MM-DD

Status

Update   Exit

Window 2

MEMBER INFORMATION

Member No.

Name

Address

Phone   Membership Date

Membership Fee   Status

Issue Status

First   Next   Previous   Last   Exit

Form 1

Accesion No.

Book Title

Authers

Publisher   Item 1

Price   Pages   Edition

Purchase Date
(YYYY-MM-DD)   Status

| New | Save | Edit | Delete | Clear | Exit |

Form 2

Select a Publisher

Publisher no. / ID
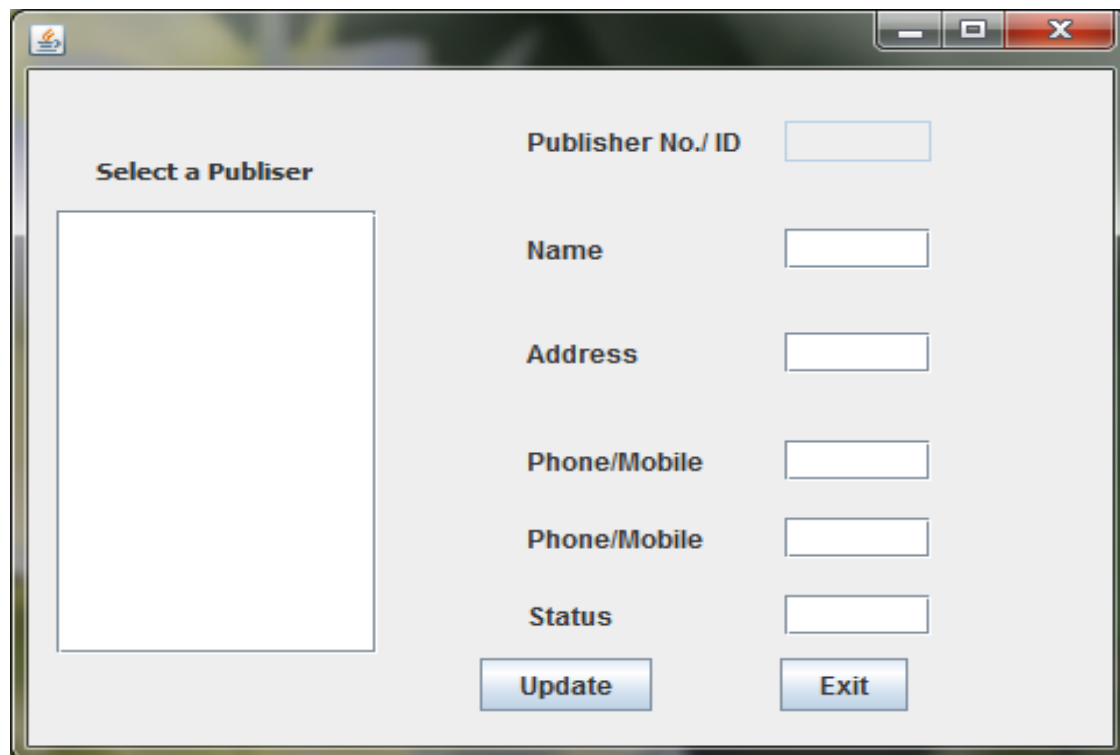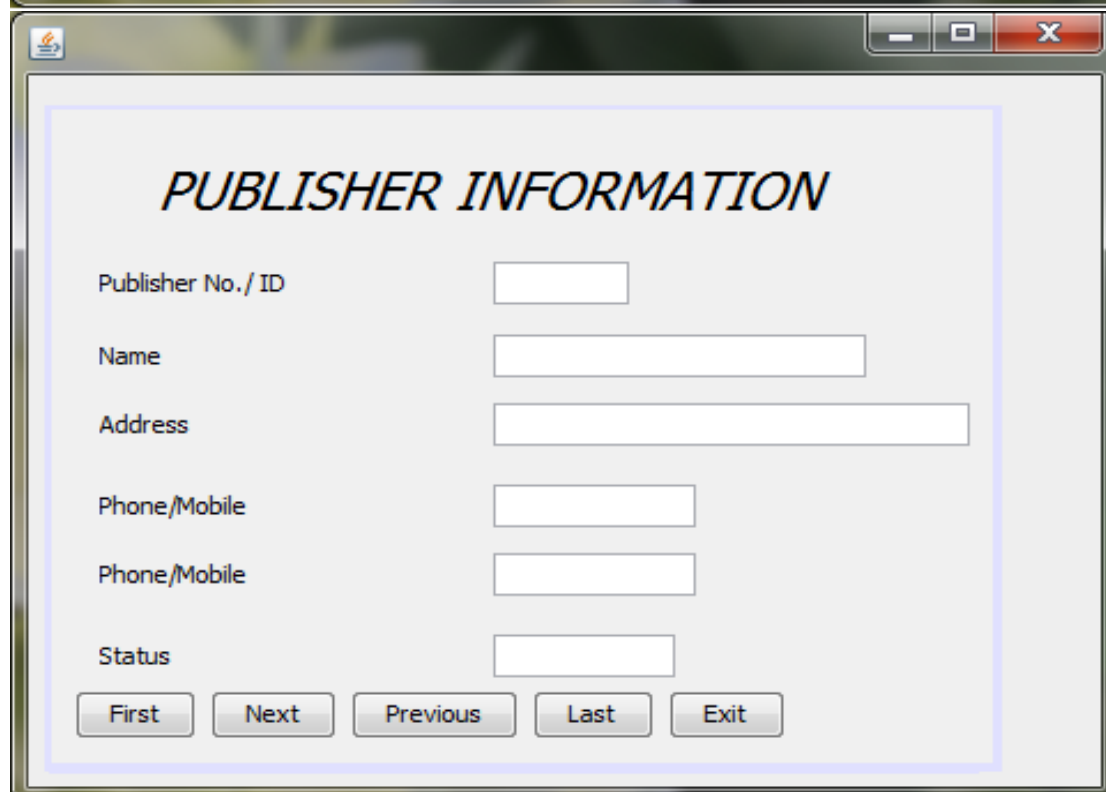
Name

Address

Phone/Mobile

Phone/Mobile

Status

| Delete | Exit |

Select a Publiser

Publisher No./ ID

Name

Address

Phone/Mobile

Phone/Mobile

Status

Update   Exit

PUBLISHER INFORMATION

Publisher No./ ID

Name

Address

Phone/Mobile

Phone/Mobile

Status

First   Next   Previous   Last   Exit

Currently Availabel Books in Library
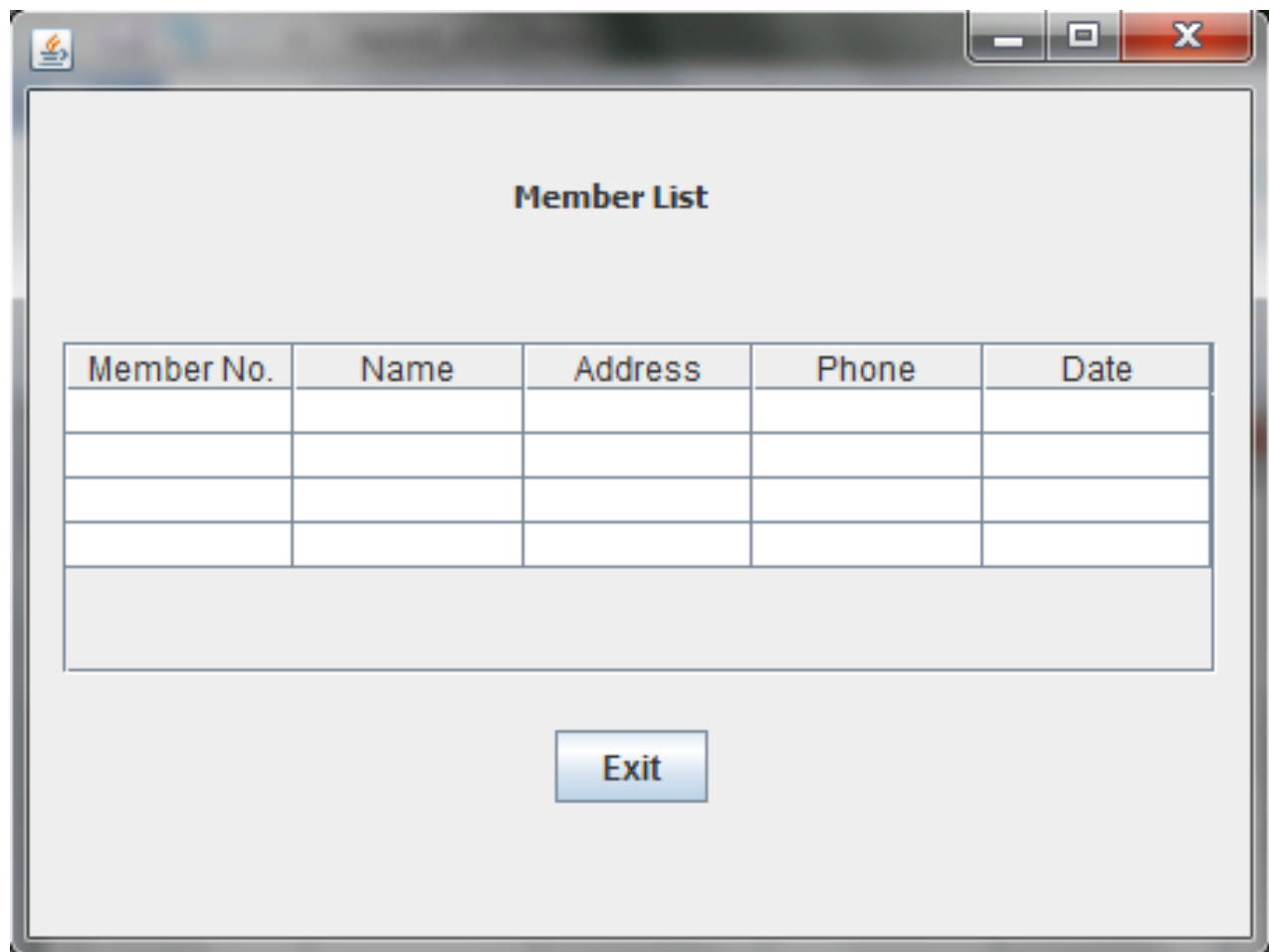
Accession No.	Title	Author	Price	Edition

Exit

Issued Book in Library

Accession No.	Title	Author	Price	Edition

Exit

Member List

Member No.	Name	Address	Phone	Date

Exit