# SHOPPING MALL MANAGEMENT SYSTEM

INFORMATIC PRACTICES PROJECT

2018 - 19

Computer programming is a process of designing, writing, testing, debugging and maintaining the source code of computer programs written in a particular programming language. The purpose of programming is to organize instructions that are capable of solving real life problems. The process of writing source code of programs requires expertise in subject, knowledge of desired application domain, a formal logic and knowledge of syntax of the relevant programming language.

JAVA
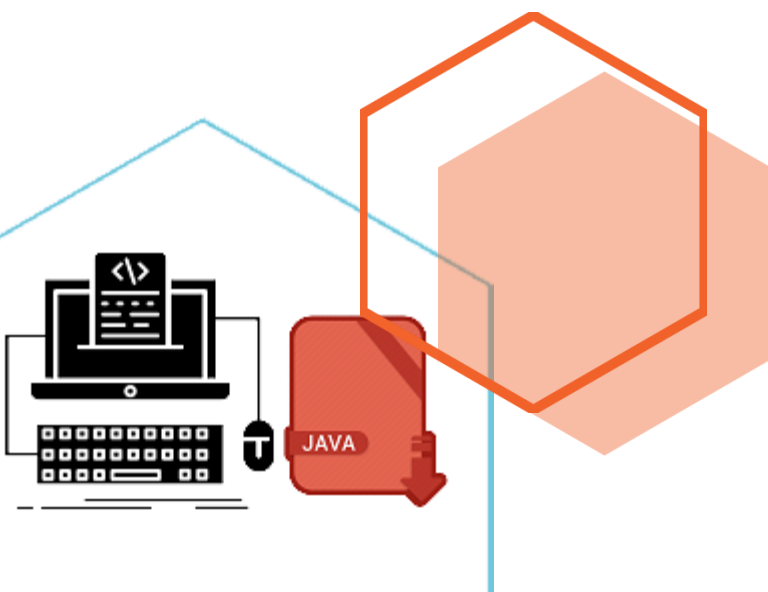
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SCHOOL, KIRKEE

ACKNOWLEDGEMENT

Acknowledgment is the most beautiful
page in any projects initial pages. More than
a formality this appears to me the best opportunity
to express my gratitude. In the accomplishment of this project successfully, many people have best owned upon me their blessings and the heart pledged support and this time I am utilizing to thank all the people who have been concerned with the project.

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Last but not the least I would like to thank my classmates who have helped me a lot.

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INTRODUCTION

This program is designed for the use of **Shopping Mall Management System** and its functioning Main Objective of this project to facilitate the transactions through use of electronic medium. We use **java Netbeans 6.5 software and MySQL** to programming our project.

LOADING

INFORMATICS PRACTICES
PROJECT
2018-19

SHOPPING MALL MANAGEMENT SYSTEM

METHODS:

```
package shopping;

import javax.swing.Timer;

import java.awt.event.*;

import javax.swing.JFrame;

import javax.swing.JProgressBar;

public class Methods {
```

```java
Timer t = null; int a = 0; int b = 0;

   public void load(final JProgressBar A, final JFrame B, final JFrame C)

   {

t = new Timer(15,new ActionListener()

{

   public void actionPerformed(ActionEvent e)

 {

   a++;

   A.setValue(a);

    if(a==100)

   {

      t.stop();

      B.setVisible(true);

      C.dispose();

    }


 }
});
 t.start();

   }

}
```

CALLING STATEMENT


```java
Methods a= new Methods();

 private void formWindowOpened ( ) {

a.load(jProgressBar1, new Login_or_Signup(), this);

}
```

LOGIN OR SIGNUP

FORM DESIGN:
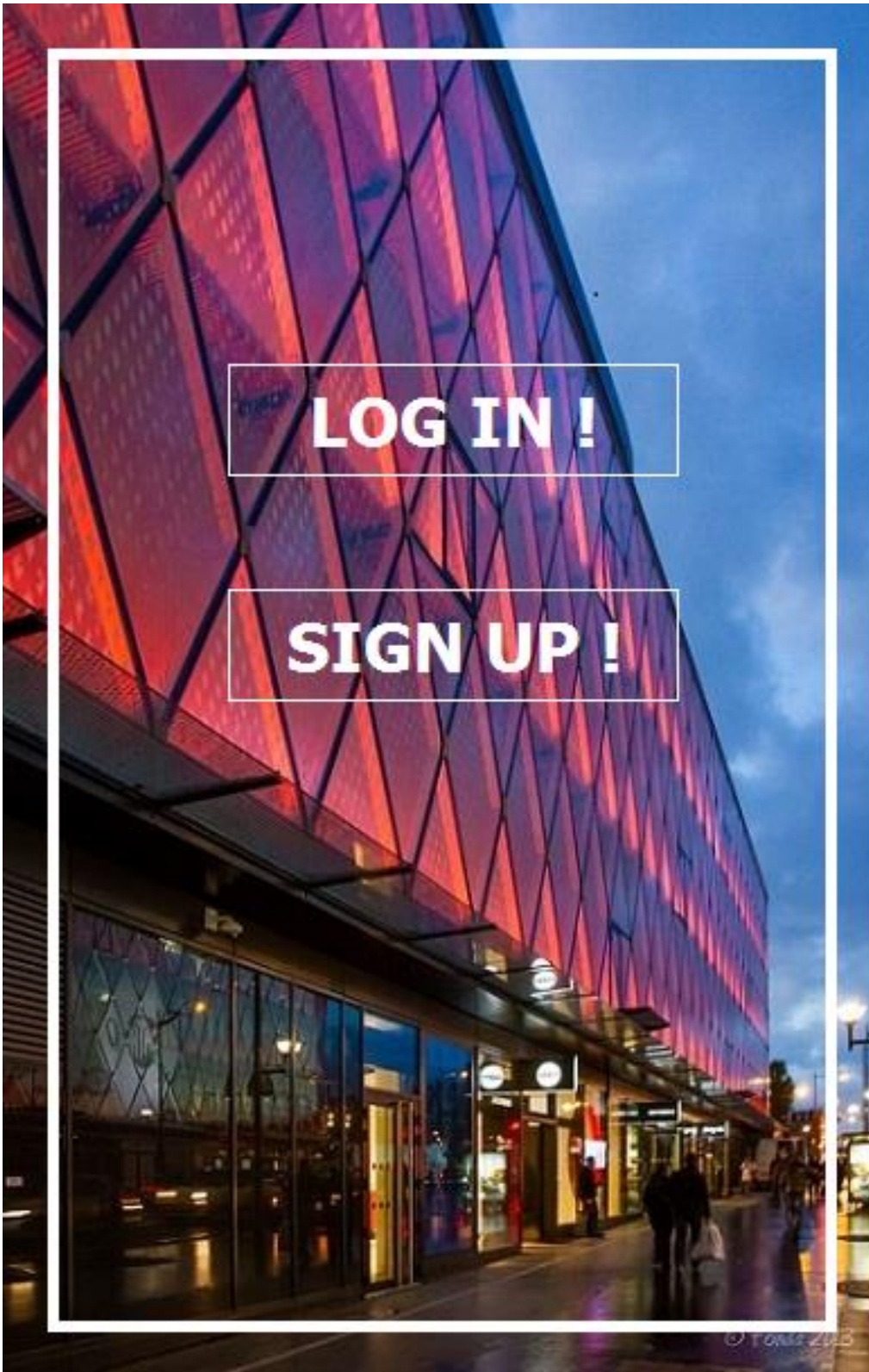
```java
private void jLabel2MouseClicked ( )
{
    this.dispose();
    new Login().setVisible(true);
  }


  private void jLabel3MouseClicked ( )
{
    this.dispose();
    new Signup().setVisible(true);
  }
```

LOGIN

FORM DESIGN:

LOG IN !

USERNAME

PASSWORD

LOGIN

Don't have an account ? SIGN UP here

package shopping;

IMPORT STATEMENTS:

import java.sql.*;

import java.awt.Color;

import javax.swing.ImageIcon;

import javax.swing.JOptionPane;

GENERAL DECLARATION :

public class Login extends javax.swing.JFrame {

    Connection con;

    Statement stemt,smt1;

    ResultSet rs;

    java.util.Date dt1;

    public Login() {

      initComponents();

      try

      {

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

        con = DriverManager.getConnection("jdbc:mysql://localhost:3306/store","root","root");

      }

      catch(Exception e)

      {

       System.out.println(e.getMessage());

      }

    }

Connection conn = null;

ResultSet rs1 = null;

```java
Statement stmt = null;

    private void jButton1ActionPerformed ()

{

     invalid.setText("");

     String PWord = new String(PassWordPF.getPassword());

     String ID = idtf.getText();

     String str = null;

     Statement stmt=null;

     ResultSet rs = null;

     try {


        Class.forName("java.sql.Driver");

        String database = "jdbc:mysql://localhost:3306/store";

        Connection conn = (Connection) DriverManager.getConnection(database, "root", "root");

        stmt = (Statement) conn.createStatement();

        String sql = "select * from user where name = '" + ID + "'";

        rs = stmt.executeQuery(sql);

        rs.next();

        str = rs.getString("password");

        rs.close();

        stmt.close();

        conn.close();

        if(str.equals(PWord)) {

          Menu m = new Menu();

           m.setVisible(true);

           this.setVisible(false);

        } else {

           invalid.setText(" * Incorrect ID or Password !");

        }
```

```java
        } catch (Exception e) { invalid.setText(" * Incorrect ID or Password");}
    }
    private void jLabel2MouseClicked ( )
{
        String er = new String(PassWordPF.getPassword());
        try {
            Class.forName("java.sql.Driver");
            con = DriverManager.getConnection("jdbc:mysql://localhost/store","root","root");
            stemt = con.createStatement();
            String query = "select * from user where name = '"+idtf.getText()+"';";
            rs = stemt.executeQuery(query);
            if(rs.next()) {
                String un = rs.getString("name");
                String pw = rs.getString("password");
                String in = rs.getString("icon");
                int result = Integer.parseInt(in);
                if(er.equals(pw)== true) {
                    JOptionPane.showMessageDialog(null,"Hello " + un +".");
                    new Menu().setVisible(true);
                    this.setVisible(false);
                } else {
                    JOptionPane.showMessageDialog(null,"Password is wrong");
                }
            } else {
                JOptionPane.showMessageDialog(null,"No Record Found");
            }
        } catch(Exception e) {
            e.printStackTrace();
            JOptionPane.showMessageDialog(null,"Error in Connectivity");
```

```java
        }
        String y =  new String(PassWordPF.getPassword());

        int b = y.length();


        if (b==0) {

            jLabel13.setText("");

            PassWordPF.setEchoChar((char)0);

            //System.out.println("y es its null");

            PassWordPF.setText("PASSWORD");

            PassWordPF.setForeground(new java.awt.Color(102, 102, 102));

            jLabel12.setBackground(new java.awt.Color(204, 204, 204));

        } else {

            //System.out.println("no its not null");

            //System.out.println(""+y);

            PassWordPF.setText(""+y);

            jLabel12.setBackground(new java.awt.Color(255, 255, 255));

        }
        String x = idtf.getText();

        int c = x.length();


        if (c==0) {

            idtf.setForeground(new java.awt.Color(102,102,102));

            //System.out.println("yes its null");

            idtf.setText("USERNAME");

            jLabel10.setText("");

            jLabel9.setBackground(new java.awt.Color(204, 204, 204));

        } else {

            //System.out.println("no its not null");

            //System.out.println(""+x);
```

```java
            idtf.setText(""+x);

            jLabel9.setBackground(new java.awt.Color(255, 255, 255));

        }

}


    private void jLabel7MouseClicked( ) {

        this.setState(ICONIFIED);

}


    private void jLabel6MouseClicked( ) {

        System.exit(0);

}


    private void idtfActionPerformed(    )

{


}


    private void idtfFocusGained(    ) {


        jLabel10.setText(""+"USERNAME");

        idtf.setText("");

        idtf.setForeground(new java.awt.Color(0, 0,0));

        jLabel9.setBackground(new java.awt.Color(11,198,160));

}


    private void idtfFocusLost(    ) {


        String x = idtf.getText();
```

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


        if (a==0) {

            idtf.setForeground(new java.awt.Color(102,102,102));

            //System.out.println("y es its null");

            idtf.setText("USERNAME");

            jLabel10.setText("");

            jLabel9.setBackground(new java.awt.Color(204, 204, 204));

        } else {

            //System.out.println("no its not null");

            //System.out.println(""+x);

            idtf.setText(""+x);

            jLabel9.setBackground(new java.awt.Color(255, 255, 255));

        }

}


    private void PassWordPFActionPerformed(    )

{


}


    private void PassWordPFFocusGained(     ) {


        jLabel15.setVisible(false);

        jLabel14.setVisible(true);

        PassWordPF.setEchoChar('•');

        jLabel13.setText(""+"PASSWORD");

        PassWordPF.setText("");

        PassWordPF.setForeground(new java.awt.Color(0, 0,0));
```

```java
    jLabel12.setBackground(new java.awt.Color(11,198,160));
}


  private void PassWordPFFocusLost(     ) {


    String y =  new String(PassWordPF.getPassword());

    int a = y.length();

    if (a==0) {

       jLabel13.setText("");

       PassWordPF.setEchoChar((char)0);

       //System.out.println("y es its null");

       PassWordPF.setText("PASSWORD");

       PassWordPF.setForeground(new java.awt.Color(102, 102, 102));

       jLabel12.setBackground(new java.awt.Color(204, 204, 204));

    } else {

       //System.out.println("no its not null");

       //System.out.println(""+y);

       PassWordPF.setText(""+y);

       jLabel12.setBackground(new java.awt.Color(255, 255, 255));

    }

}


  private void jLabel14MouseClicked() {


    //show password

    jLabel15.setVisible(true);

    jLabel15.setLocation(420, 250);

    jLabel14.setVisible(false);

    PassWordPF.setEchoChar((char)0);
```

```java
}


    private void jLabel15MouseClicked() {


        //hide password

        jLabel15.setVisible(false);

        jLabel14.setVisible(true);

        jLabel14.setLocation(420, 250);

        PassWordPF.setEchoChar('•');

}


    private void jLabel1MouseClicked( ) {

        this.dispose();

        new Signup().setVisible(true);

}


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

PassWordPF.setEchoChar((char)0);

    }
```

SIGNUP

FORM DESIGN:

SIGN UP !

USERNAME

PASSWORD 👁

CONFIRM PASSWORD 👁

CREATE ACCOUNT

Already have an account ? login!

package shopping;

IMPORT STATEMENTS:

import java.sql.*;

import java.awt.Color;

import javax.swing.ImageIcon;

import javax.swing.JOptionPane;

GENERAL DECLARATION :

public class Signup extends javax.swing.JFrame {

  Connection con;

  Statement stemt,smt1;

  ResultSet rs;

  java.util.Date dt1;

  public Signup() {

    initComponents();

    try

    {

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

      con = DriverManager.getConnection("jdbc:mysql://localhost:3306/store","root","root");

    }

    catch(Exception e)

    {

     System.out.println(e.getMessage());

    }

  }

Connection conn = null;

ResultSet rs1 = null;

Statement stmt = null;

Menu a = new Menu();

  private void jButton1ActionPerformed(   )

```java
{
    int ans = JOptionPane.showConfirmDialog(null,"want to add an account");

    if (ans == JOptionPane.YES_OPTION) {

        try {

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

            con = DriverManager.getConnection("jdbc:mysql://localhost:3306/store","root","root");

            stmt = con.createStatement();

            String jk = z.getText();

            int s2 = jk.length();

            if (s2==0) {

                f.setForeground(java.awt.Color.red);

                JOptionPane.showMessageDialog(null, "Please enter username");

            }

            String ui = new String(h.getPassword());

            int s3 = ui.length();

            if (s3==0) {

                i.setForeground(java.awt.Color.red);

                JOptionPane.showMessageDialog(null, "Please enter password");

            }

            String yuy = new String(m.getPassword());

            int s4 = yuy.length();

            if (s4==0) {

                n.setForeground(java.awt.Color.red);

                JOptionPane.showMessageDialog(null, "Please confirm password");

            }

            if(ui.equals(yuy) == false) {

                JOptionPane.showMessageDialog(null, "Re-enter password");

            } else{
```

```java
        String query = "insert into user values(" + "'" + z.getText()+ "','"+ new String(h.getPassword())
+ "'," + ku.getText()+");";

        System.out.print(query);

        stmt.executeUpdate(query);

        JOptionPane.showMessageDialog(null,"Account Created!");

        new Login().setVisible(true);

        this.dispose();}
    } catch(Exception e) {
      e.printStackTrace();
      JOptionPane.showMessageDialog(null, "error in account creation");
      String x1 = z.getText();
      int a1 = x1.length();
      if (a1==0) {
        z.setForeground(new java.awt.Color(102,102,102));
        z.setText("USERNAME");
        d.setText("");
        f.setBackground(new java.awt.Color(204, 204, 204));
      } else {
        z.setText(""+x1);
        f.setBackground(new java.awt.Color(255, 255, 255));
      }
      String y2 =  new String(h.getPassword());
      int a2 = y2.length();
      if (a2==0) {
        h.setEchoChar((char)0);
        h.setText("PASSWORD");
        g.setText("");
        h.setForeground(new java.awt.Color(102, 102, 102));
        i.setBackground(new java.awt.Color(204, 204, 204));
      } else {
```

```java
            h.setText(""+y2);

            i.setBackground(new java.awt.Color(255, 255, 255));

        }

    String y3 =  new String(m.getPassword());

    int a3 = y3.length();

    if (a3==0) {

        m.setEchoChar((char)0);

        m.setText("CONFIRM PASSWORD");

        l.setText("");

        m.setForeground(new java.awt.Color(102, 102, 102));

        n.setBackground(new java.awt.Color(204, 204, 204));

    } else {

        System.out.println("no its not null");

        m.setText(""+y3);

        n.setBackground(new java.awt.Color(255, 255, 255));

    }

  }

}

String x6 = z.getText();

int a6 = x6.length();


if (a6==0) {

  z.setForeground(new java.awt.Color(102,102,102));

  z.setText("USERNAME");

  d.setText("");

  f.setBackground(new java.awt.Color(204, 204, 204));

} else {

  z.setText(""+x6);

  f.setBackground(new java.awt.Color(255, 255, 255));
```

```java
        }
    String y7 =  new String(h.getPassword());

    int a7 = y7.length();


    if (a7==0) {

        h.setEchoChar((char)0);

        h.setText("PASSWORD");

        g.setText("");

        h.setForeground(new java.awt.Color(102, 102, 102));

        i.setBackground(new java.awt.Color(204, 204, 204));

    } else {

        h.setText(""+y7);

        i.setBackground(new java.awt.Color(255, 255, 255));

    }

    String y8 =  new String(m.getPassword());

    int a8 = y8.length();


    if (a8==0) {

        m.setEchoChar((char)0);

        m.setText("CONFIRM PASSWORD");

        l.setText("");

        m.setForeground(new java.awt.Color(102, 102, 102));

        n.setBackground(new java.awt.Color(204, 204, 204));

    } else {

        m.setText(""+y8);

        n.setBackground(new java.awt.Color(255, 255, 255));

    }

}
```

```
    private void jLabel10MouseClicked( ) {

        System.exit(0);

}


    private void hActionPerformed(    ) {



}


    private void hFocusGained(     ) {

        k.setVisible(false);

        j.setVisible(true);

        h.setEchoChar('•');

        g.setText(""+"    PASSWORD");

        h.setText("");

        h.setForeground(new java.awt.Color(0, 0,0));

        i.setBackground(new java.awt.Color(11,198,160));

}


    private void hFocusLost(     ) {

        String y =  new String(h.getPassword());

        int a = y.length();

        if (a==0) {

            h.setEchoChar((char)0);

            h.setText("PASSWORD");

            g.setText("");

            h.setForeground(new java.awt.Color(102, 102, 102));

            i.setBackground(new java.awt.Color(204, 204, 204));

        } else {

            h.setText(""+y);
```

```java
        i.setBackground(new java.awt.Color(255, 255, 255));

    }

}


    private void jMouseClicked( ) {


        //show password
        k.setVisible(true);

        k.setLocation(380, 380);

        j.setVisible(false);

        h.setEchoChar((char)0);

}


    private void mActionPerformed(   ) {


}


    private void mFocusGained(    ) {

        p.setVisible(false);

        o.setVisible(true);

        m.setEchoChar('•');

        l.setText(""+"   CONFIRM PASSWORD");

        m.setText("");

        m.setForeground(new java.awt.Color(0, 0,0));

        n.setBackground(new java.awt.Color(11,198,160));

}


    private void mFocusLost(    ) {
```

```java
        String y =  new String(m.getPassword());

        int a = y.length();

        if (a==0) {

            m.setEchoChar((char)0);

            m.setText("CONFIRM PASSWORD");

            l.setText("");

            m.setForeground(new java.awt.Color(102, 102, 102));

            n.setBackground(new java.awt.Color(204, 204, 204));

        } else {

            m.setText(""+y);

            n.setBackground(new java.awt.Color(255, 255, 255));

        }

    }


    private void jLabel1MouseClicked(  ) {

        this.dispose();

        new Login().setVisible(true);

    }


    private void oMouseClicked(  ) {




        p.setVisible(true);

        p.setLocation(380, 460);

        o.setVisible(false);

        m.setEchoChar((char)0);

    }
```

```java
private void jLabel9MouseClicked( ) {

    this.setState(ICONIFIED);

}


private void zActionPerformed(   ) {


}


private void zFocusGained(    ) {

    d.setText(""+"USERNAME");

    z.setText("");

    z.setForeground(new java.awt.Color(0, 0,0));

    f.setBackground(new java.awt.Color(11,198,160));

}


private void zFocusLost(    ) {

    String x = z.getText();

    int ku = x.length();

    if (ku==0) {

        z.setForeground(new java.awt.Color(102,102,102));

        z.setText("USERNAME");

        d.setText("");

        f.setBackground(new java.awt.Color(204, 204, 204));

    } else {

        z.setText(""+x);

        f.setBackground(new java.awt.Color(255, 255, 255));

    }

}
```

```java
    private void pMouseClicked(  ) {


        p.setVisible(false);

        o.setVisible(true);

        o.setLocation(380, 460);

        m.setEchoChar('•');

}


    private void kMouseClicked(  ) {


        //hide password

        k.setVisible(false);

        j.setVisible(true);

        j.setLocation(380, 380);

        h.setEchoChar('•');

}


    private void jLabelMouseClicked(  ) {

        jLabel11.setLocation(0,0);

        jDialog1.setVisible(true);

}


    private void jLabel4MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i1.png"));

        jDialog1.setVisible(false);

        ku.setText("1");

}
```

```
    private void jLabel5MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i2.png"));

        jDialog1.setVisible(false);

        ku.setText("2");

}


    private void jLabel6MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i3.png"));

        jDialog1.setVisible(false);

        ku.setText("3");

}


    private void jLabel7MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i4.png"));

        jDialog1.setVisible(false);

        ku.setText("4");

}


    private void jLabel8MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i5.png"));

        jDialog1.setVisible(false);

        ku.setText("5");

}
```

```java
    private void jLabel19MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i6.png"));

        jDialog1.setVisible(false);

        ku.setText("6");

}


    private void jLabel21MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i7.png"));

        jDialog1.setVisible(false);

        ku.setText("7");

}


    private void jLabel23MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i8.png"));

        jDialog1.setVisible(false);

        ku.setText("8");

}


    private void jLabel24MouseClicked(  ) {

        jLabel11.setLocation(830,0);

        jLabel.setIcon(new javax.swing.ImageIcon("Z:\\Z   MYNTRA 1.2\\order by\\PROFILE
PICS\\i9.png"));

        jDialog1.setVisible(false);

        ku.setText("9");
```

```
    }


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

h.setEchoChar((char)0);

m.setEchoChar((char)0);

    }
```

MENU

FORM DESIGN:

CHOOSE YOUR ACTION:

THE MALL

MAKE PURCHASE	**CUSTOMER BILLING**
ADD PRODUCTS	**UPDATE PRODUCT**
DELETE PRODUCTS	**LOG OUT**

```java
private void jButton2ActionPerformed(    )
{
  Update avail=new Update();
     avail.setVisible(true);
this.dispose();
   }
   private void jButton3ActionPerformed(    )
{
  Add avail=new Add();
     avail.setVisible(true);
     this.dispose();
   }


   private void jButton4ActionPerformed(    )
{
  Login avail=new Login();
     avail.setVisible(true);
     this.dispose();
   }


   private void jButton5ActionPerformed(    )
{
  Customers avail=new Customers();
     avail.setVisible(true);
     this.dispose();
   }
```

```java
    private void jButton6ActionPerformed(    )
{
  Make_Order avail=new Make_Order();
     avail.setVisible(true);
     this.dispose();
  }


  private void jButton7ActionPerformed(    )
{
  Delete avail=new Delete();
     avail.setVisible(true);
     this.dispose();


  }


  private void jLabel10MouseClicked(   )
{
     System.exit(0);
}
  private void jLabel9MouseClicked(   )
{
     this.setState(ICONIFIED);
}
```

MAKE PURCHASE

FORM DESIGN:

package shopping;

IMPORT STATEMENTS:

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.sql.DriverManager;

import java.sql.ResultSet;

import javax.swing.DefaultListModel;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

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

    public Make_Order() {

        initComponents();

    }


    private void jList1ValueChanged(javax.swing.event.ListSelectionEvent evt) {

        try {


            Class.forName("java.sql.DriverManager");


            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");


            Statement stmt = (Statement) con.createStatement();


            String query = "select * from shop where name="+"'"+jList1.getSelectedValue()+"';";
```

```java
ResultSet rs = stmt.executeQuery(query);


while (rs.next()) {


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

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

    String desc = rs.getString("descp");

    int price= rs.getInt("price");

    int qty = rs.getInt("qty");


    tfman.setText(man);

    tadesc.setText(desc);

    tfprice.setText(""+price);

    tfqty.setText(""+qty);


    jButton2.setEnabled(true);


    jComboBox1.removeAllItems();

    for(int i=1;i<=qty;i++) {


        jComboBox1.addItem(i);

    }


}
```

```java
        } catch (Exception e) {

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

        }

}


    private void jButton5ActionPerformed(    ) {

       try {


           Class.forName("java.sql.DriverManager");


           Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store",
"root", "root");


           Statement stmt = (Statement) con.createStatement();


           String query = "select name from shop where qty>0;";


           ResultSet rs = stmt.executeQuery(query);


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


           dlm.removeAllElements();
           while (rs.next()) {


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

               dlm.addElement(name);

               jList1.setModel(dlm);


               jButton5.setEnabled(false);
```

```java
        }

        jList1.setSelectedIndex(0);


    } catch (Exception e) {

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

    }

}


    private void jButton3ActionPerformed(    ) {
        if(jList2.isSelectionEmpty()==false){          try {


            Class.forName("java.sql.DriverManager");


            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");


            Statement stmt = (Statement) con.createStatement();


            DefaultListModel dlmm=(DefaultListModel)jList2.getModel();


            String cartitem=(String)jList2.getSelectedValue();

            String name=cartitem.substring(0,cartitem.length()-4);

            int qty =Integer.parseInt(cartitem.substring(cartitem.length()-1,cartitem.length()));

            dlmm.removeElementAt(jList2.getSelectedIndex());

            jList2.setModel(dlmm);


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

            dlm.addElement(name);
```

```java
        String queryprice="Select price from shop where name='"+name+"';";

        int price=0;


        ResultSet rs=stmt.executeQuery(queryprice);

        if(rs.next()) {

            price=rs.getInt("price");

        }



        String query="update shop set qty=qty+"+qty+" where  name='"+name+"';";

        stmt.executeUpdate(query);


        int bill=Integer.parseInt(tfbill.getText())-(price*qty);

        tfbill.setText(""+bill);


    } catch (Exception e) {

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

    }

    } else{

        JOptionPane.showMessageDialog(this,"Please select the item which you want to remove from your cart");

    }

}


    private void jButton4ActionPerformed(    ) {

        String name=tfname.getText();

        String amt=tfbill.getText();

        int bill;

        if(amt.isEmpty()) {
```

```java
        bill=0;

    } else {

        bill=Integer.parseInt(amt);

    }


    if(bill>0) {

        if(name.isEmpty()==false) {

            JOptionPane.showMessageDialog(this,name+" Thank You for shopping with us, BYE");


            try {


                Class.forName("java.sql.DriverManager");


                Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");


                Statement stmt = (Statement) con.createStatement();

                String products="";


                DefaultListModel dlm=(DefaultListModel)jList2.getModel();


                for(int i=1;i<=dlm.getSize();i++) {

                    jList2.setSelectedIndex(i-1);

                    String item=(String)jList2.getSelectedValue();

                    if(i==1)

                        products+=""+item;

                    else

                        products+=","+item;

                }
```

```java
                String query="insert into orders values(null,'"+name+"','"+products+"',"+bill+",sysdate());";

                stmt.executeUpdate(query);

            }



        catch(Exception e) {

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

        }



        ((DefaultListModel)jList2.getModel()).clear();

        tfname.setText("");

        tfbill.setText("");



    } else{

        JOptionPane.showMessageDialog(this,"Please enter your name");



    }

    } else {

        JOptionPane.showMessageDialog(this,name+" Your cart is empty,please fill it");



    }

}


    private void jButton6ActionPerformed(    ) {

        Menu avail=new Menu();

        avail.setVisible(true);

        this.dispose();

    }


    private void jLabel9MouseClicked(   ) {
```

```java
        this.setState(ICONIFIED);

}


    private void jLabel10MouseClicked(   ) {

        System.exit(0);

}


    private void jButton2ActionPerformed(    ) {

        if(jList1.isSelectionEmpty()==false){      try {


            Class.forName("java.sql.DriverManager");


            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store",
"root", "root");


            Statement stmt = (Statement) con.createStatement();


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


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

            int qty =jComboBox1.getSelectedIndex()+1;


            String query="update shop set qty=qty-"+qty+" where  name='"+name+"';";

            stmt.executeUpdate(query);


            dlmm.removeElementAt(jList1.getSelectedIndex());

            DefaultListModel dlm=(DefaultListModel)jList2.getModel();

            String item=name+" x "+qty;

            dlm.addElement(item);

            jList2.setModel(dlm);
```

```java
        int bill=0;

        if(tfbill.getText().isEmpty()) {

            bill=Integer.parseInt(tfprice.getText())*qty;

        } else {

            bill=Integer.parseInt(tfbill.getText())+(Integer.parseInt(tfprice.getText())*qty);

        }

        tfbill.setText(""+bill);


        tfman.setText(null);

        tadesc.setText(null);

        tfprice.setText(null);

        tfqty.setText(null);


        jButton3.setEnabled(true);

        jButton4.setEnabled(true);




    } catch (Exception e) {

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

    }

    } else {

        JOptionPane.showMessageDialog(this,"Please select the item which you want to add to your cart");

    }

}
```

CUSTOMER BILLING

FORM DESIGN:

package shopping;

IMPORT STATEMENTS:

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.sql.DriverManager;

import java.sql.ResultSet;

import javax.swing.DefaultListModel;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Customers extends javax.swing.JFrame {

    public Customers() {

        initComponents();

    }
private void jButton1ActionPerformed(   ) {

        try {

            Class.forName("java.sql.DriverManager");

            Connection con=(Connection)
DriverManager.getConnection("jdbc:mysql://localHost:3306/store","root","root");

            Statement stmt=(Statement) con.createStatement();

            String query="select * from orders";

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

```java
        int rows=model.getRowCount();


        if(rows>0) {

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

                model.removeRow(0);

            }

        }



        ResultSet  rs=stmt.executeQuery(query);

        while(rs.next()) {

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

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

            String bill=rs.getString("amount");

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

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



            model.addRow(new Object[]{orderno,cname,products,bill,date});

        }

    }


    catch(Exception e) {

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

    }

}
```

```java
    private void jButton3ActionPerformed(   ) {

        Menu avail=new Menu();

        avail.setVisible(true);

this.dispose();

    }


    private void jLabel9MouseClicked(  ) {

        this.setState(ICONIFIED);

}


    private void jLabel10MouseClicked(  ) {

        System.exit(0);

}
```

ADD PRODUCTS

FORM DESIGN:

ADD PRODUCTS HERE:

THE MALL

Product Name

Manufacturer of the Product

Price

1

Product Description

ADD NEW PRODUCT

BACK

package shopping;

IMPORT STATEMENTS:

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.sql.DriverManager;

import java.sql.ResultSet;

import javax.swing.DefaultListModel;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

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

    public Add() {

        initComponents();

    }


private void jButton2ActionPerformed(    ) {

        try {


            Class.forName("java.sql.DriverManager");


            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");


            Statement stmt = (Statement) con.createStatement();


            String name =tfname.getText();
```

```java
        String man = tfman.getText();

        String desc =tadesc.getText();

        String amt=tfprice.getText();

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



if(name.isEmpty()==false && man.isEmpty()==false && desc.isEmpty()==false
   && amt.isEmpty()==false && quan.isEmpty()==false)
      {
       int price=Integer.parseInt(amt);
       int qty = Integer.parseInt(quan);


        String querydel="delete from shop where name='"+name+"';";
        String query="insert into shop values('"+name+"','"+man+"'"+","+desc+"',"+price+","+qty+");";
        stmt.executeUpdate(querydel);
        stmt.executeUpdate(query);


        JOptionPane.showMessageDialog(this,"Product Added Successfully");
        //jButton5.doClick();
        tfname.setText("");
        tfman.setText("");
        tadesc.setText("");
        tfprice.setText("");
      }
 else
{
        JOptionPane.showMessageDialog(this,"Fields Empty");
 }
```

```java
        } catch (Exception e) {

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

        }

    }


    private void jButton3ActionPerformed(    ) {

 Menu avail=new Menu();

        avail.setVisible(true);

this.dispose();


    }


    private void tfnameActionPerformed(    ) {


    }


    private void jLabel10MouseClicked(  ) {

        System.exit(0);

}


    private void jLabel9MouseClicked(  ) {

        this.setState(ICONIFIED);

}
```

UPDATE PRODUCTS

FORM DESIGN:

package shopping;

IMPORT STATEMENTS:

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.sql.DriverManager;

import java.sql.ResultSet;

import javax.swing.DefaultListModel;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;


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

    public Update() {

        initComponents();

    }

private void jButton2ActionPerformed(    ) {

        try {

            Class.forName("java.sql.DriverManager");

            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");

            Statement stmt = (Statement) con.createStatement();

                String name =tfname.getText();

                String man = tfman.getText();

                String desc =tadesc.getText();

                String amt=tfprice.getText();

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

if(name.isEmpty()==false && man.isEmpty()==false && desc.isEmpty()==false

   && amt.isEmpty()==false && quan.isEmpty()==false)

        {
```

```java
        int price=Integer.parseInt(amt);

        int qty = Integer.parseInt(quan);


            String querydel="delete from shop where name='"+name+"';";

            String query="insert into shop values('"+name+"','"+man+"'"+",'"+desc+"',"+price+","+qty+");";

            stmt.executeUpdate(querydel);

            stmt.executeUpdate(query);


            JOptionPane.showMessageDialog(this,"Product Added Successfully");

            //jButton5.doClick();

            tfname.setText("");

            tfman.setText("");

            tadesc.setText("");

            tfprice.setText("");

        }
 else
{

            JOptionPane.showMessageDialog(this,"Fields Empty");

}



    } catch (Exception e) {

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

    }

  }


  private void jButton3ActionPerformed(    ) {
Menu avail=new Menu();

    avail.setVisible(true);
```

```java
        this.dispose();

    }


    private void jList1ValueChanged(javax.swing.event.ListSelectionEvent evt) {

        try {


            Class.forName("java.sql.DriverManager");


            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store",
"root", "root");


            Statement stmt = (Statement) con.createStatement();

            String query = "select * from shop where name="+"'"+jList1.getSelectedValue()+"';";

            ResultSet rs = stmt.executeQuery(query);

            while (rs.next()) {

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

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

                String desc = rs.getString("descp");

                int price= rs.getInt("price");

                int qty = rs.getInt("qty");

                tfman.setText(man);

                tadesc.setText(desc);

                tfprice.setText(""+price);

                jComboBox1.setSelectedIndex(qty-1);

                tfname.setText(name);

            }

        } catch (Exception e) {

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

        }

}
```

```java
    private void jButton5ActionPerformed(    ) {

        try {

            Class.forName("java.sql.DriverManager");

            Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store",
"root", "root");

            Statement stmt = (Statement) con.createStatement();

            String query = "select name from shop where qty>0;";

            ResultSet rs = stmt.executeQuery(query);

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

            dlm.removeAllElements();

            while (rs.next()) {

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

                dlm.addElement(name);

                jList1.setModel(dlm);

            }

            jList1.setSelectedIndex(0);

        } catch (Exception e) {

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

        }

}


    private void jLabel9MouseClicked(   ) {

        this.setState(ICONIFIED);

}


    private void jLabel10MouseClicked(   ) {

        System.exit(0);

}
```

DELETE PRODUCTS

FORM DESIGN:

DELETE PRODUCTS

THE MALL

SHOW LIST

Select Products

Product Name

Manufacturer

Price

Select Quantity:

1

Product Description

DELETE PRODUCTS

BACK

package shopping;

IMPORT STATEMENTS:

import com.mysql.jdbc.Connection;

import com.mysql.jdbc.Statement;

import java.sql.DriverManager;

import java.sql.ResultSet;

import javax.swing.DefaultListModel;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Delete extends javax.swing.JFrame {

```java
    public Delete() {

        initComponents();

    }
private void jButton2ActionPerformed(    ) {

        try {


        Class.forName("java.sql.DriverManager");


        Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");


        Statement stmt = (Statement) con.createStatement();


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

```java
if(jList1.isSelectionEmpty()==false)

        {

            String querydel="delete from shop where name='"+name+"';";



            stmt.executeUpdate(querydel);



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

            jButton5.doClick();



        }

  else

{

            JOptionPane.showMessageDialog(this,"Select the product which you want to delete");

}



        } catch (Exception e) {

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

        }

    }



    private void jButton3ActionPerformed(    ) {

 Menu avail=new Menu();

      avail.setVisible(true);

 this.dispose();



    }



    private void jList1ValueChanged(javax.swing.event.ListSelectionEvent evt) {
```

```java
try {

    Class.forName("java.sql.DriverManager");

    Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store", "root", "root");

    Statement stmt = (Statement) con.createStatement();

    String query = "select * from shop where name="+"'"+jList1.getSelectedValue()+"';";

    ResultSet rs = stmt.executeQuery(query);

    while (rs.next()) {

        String name = rs.getString("name");
        String man = rs.getString("man");
        String desc = rs.getString("descp");
        int price= rs.getInt("price");
        int qty = rs.getInt("qty");

        tfman.setText(man);
        tadesc.setText(desc);
        tfprice.setText(""+price);
        jComboBox1.setSelectedIndex(qty-1);
        tfname.setText(name);

    }
```

```java
    } catch (Exception e) {

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

    }

}


   private void jButton5ActionPerformed(    ) {

      try {


          Class.forName("java.sql.DriverManager");


          Connection con = (Connection) DriverManager.getConnection("jdbc:mysql://localhost:3306/store",
"root", "root");


          Statement stmt = (Statement) con.createStatement();


          String query = "select name from shop where qty>0;";


          ResultSet rs = stmt.executeQuery(query);


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


          dlm.removeAllElements();
          while (rs.next()) {


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

              dlm.addElement(name);

              jList1.setModel(dlm);


          }
```

```java
      jList1.setSelectedIndex(0);


  } catch (Exception e) {

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

  }

}


  private void jComboBox1ActionPerformed(   ) {


  }


  private void jLabel10MouseClicked(   ) {

      System.exit(0);

}


  private void jLabel9MouseClicked(   ) {

      this.setState(ICONIFIED);

}
```

DATABASE STRUCTURE

store **login**
- name : varchar(40)
- pass : varchar(40)

store **orders**
- orderno : int(10)
- cname : varchar(40)
- products : varchar(255)
- amount : int(10)
- date : date

store **shop**
- name : varchar(500)
- man : varchar(50)
- descp : varchar(255)
- price : int(7)
- qty : int(2)

```
mysql> SELECT * FROM oders;
ERROR 1146 (42S02): Table 'store.oders' doesn't exist
mysql> SHOW TABLES;
+-------------------+
| Tables_in_store   |
+-------------------+
| orders            |
| shop              |
| user              |
+-------------------+
3 rows in set (0.00 sec)
```

```
mysql> DESCRIBE ORDERS;
+----------+--------------+------+-----+---------+----------------+
| Field    | Type         | Null | Key | Default | Extra          |
+----------+--------------+------+-----+---------+----------------+
| orderno  | int(10)      | NO   | PRI | NULL    | auto_increment |
| cname    | varchar(40)  | YES  |     | NULL    |                |
| products | varchar(255) | YES  |     | NULL    |                |
| amount   | int(10)      | YES  |     | NULL    |                |
| date     | date         | YES  |     | NULL    |                |
+----------+--------------+------+-----+---------+----------------+
5 rows in set (0.02 sec)
```

```
mysql> DESCRIBE SHOP;
+-------+--------------+------+-----+---------+-------+
| Field | Type         | Null | Key | Default | Extra |
+-------+--------------+------+-----+---------+-------+
| name  | varchar(500) | YES  |     | NULL    |       |
| man   | varchar(50)  | YES  |     | NULL    |       |
| descp | varchar(255) | YES  |     | NULL    |       |
| price | int(7)       | YES  |     | NULL    |       |
| qty   | int(2)       | YES  |     | NULL    |       |
+-------+--------------+------+-----+---------+-------+
5 rows in set (0.00 sec)
```

```
mysql> DESCRIBE USER;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| name     | varchar(15) | YES  |     | NULL    |       |
| password | varchar(15) | YES  |     | NULL    |       |
| icon     | int(1)      | YES  |     | NULL    |       |
+----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

BIBLIOGRAPHY

Parts of this project have
been referred from foreign sources
and have been included in the project
after editing.

The references of the sources are as follows:

- https://www.quora.com
- https://stackoverflow.com
- https://stackexchange.com
- https://w3schools.com

- Informatics practices by SUMITA ARORA class – XI
- Informatics practices by SUMITA ARORA class – XII

TEACHER'S REMARKS:

THANK YOU