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Abstract

The title of the mini project is Computer Peripheral Management. This project is for maintaining the records of the computer Peripherals. This project help us to maintain record by adding the peripherals, deleting it from record, searching it and also purchasing it. In purchasing, we calculate the total cost to the product and also maintain the record of the customer along with their details. To access this project, a login form is created and can only be accessed if you enter the correct username and password. This is a basic mini project and further can be improved by adding more features like exchange the products, updating, etc.

Problem Statement & Features:

Develop a Java Mini Project for Computer Peripheral Management which offers the following features:

Develop a java Mini Project for Computer Peripheral Management which offers the following features:

- Logging in
- Adding Product in the database
- Deleting the product From the Database
- Searching the product.
- Purchasing the product.

SOFTWARE REQUIREMENTS

1. Java: JDK1.8



Fig. 1 Oracle Java Logo

Java is a general-purpose programming language that is class-based, object-oriented, and designed to have as few implementation dependencies as possible. Java is fast, reliable and secure. From desktop to web applications, scientific supercomputers to gaming consoles, cell phones to the Internet, Java is used in every nook and corner. Not only is Java the official programming language for Android app development (along with Kotlin), Java itself is used by Google for large parts of the Android internals.

2. MySQL



Fig. 2 MySQL

MySQL is an open-source relational database management system (RDBMS). SQL - the abbreviation for Structured Query Language. A relational database organizes data into one or more data tables in which data types may be related to each other; these relations help structure the data. SQL is a language programmers use to create, modify and extract data from the relational database, as well as control user access to the database. In addition to relational databases and SQL, an RDBMS like MySQL works with an operating system to implement a relational database in a computer's storage system, manages users, allows for network access and facilitates testing database integrity and creation of backups

3. XAMPP



Fig. 3 XAMPP

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible. It is available in 11 languages and supported by different platforms such as the IA-32 package of Windows and x64 package of macOS and Linux. XAMPP is an abbreviation for cross-platform, Apache, MySQL, PHP and Perl, and it allows you to build WordPress site offline, on a local web server on your computer. This simple and lightweight solution works on Windows, Linux, and Mac.

4. Netbeans



Fig. 4 Netbeans

NetBeans is an open source integrated development environment (IDE) for Java. NetBeans allows applications to be developed from a set of modular software components called *modules*. NetBeans runs on Windows, macOS, Linux and Solaris. In addition to Java development, it has extensions for other languages like PHP, C, C++, HTML5,[3] and JavaScript. Applications based on NetBeans, including the NetBeans IDE, can be extended by third party developers. NetBeans contains all the modules needed for Java development in a single download, allowing the user to start working immediately. Modules also allow NetBeans to be extended. New features, such as support for other programming languages, can be added by installing additional modules.

HARDWARE REQUIREMENT

- Windows 10 (64bit)
- Intel i5 processor (2.60 GHz)
- 8 GB RAM
- 214GB Free Disk Space

Module Implementation

Sr.	Module Name	Description	Implementation Date
1	Defining the requirements	Collecting all information needed for Computer peripheral management.	1 st October 2020
2	Designing on Paper	Basic Structure or an outline of the whole project on paper.	12 th October 2020
3	Login form implementation	Login form enables the user to login to the Project and get the access to it.	21 st October 2020
4	Connect Database	Connect the login form with the database.	23 rd October 2020
5	Home Page	The Home page Frame contains options used for implementation and to access further frames or options	27 th October 2020
6	Insert Product details	The Insertion allows you to enter the details of the products into the database.	02 nd November 2020
7	Delete Product details	The deletion allow you to delete the product record(detail) from the database.	02 nd November 2020
8	Search product	The search product frame allows you to search the product from the records by entering the name and code of the product.	14 th November 2020
9	Purchase Product	The purchase product keeps the record of the customers and their details and also calculate the total amount of the product.	17 th November 2020

Mini Project source code

DATABASE CONNECTION:

```
import java.sql.*;
public class dbConnect {
    Connection Connect()
{
    Connection con=null;
    try
    {

        String URL="jdbc:mysql://localhost:3306/";
        String DATABASE="computerperipheral";
        String USER="root";
        String PASSWORD="";
        con = (Connection) DriverManager.getConnection(URL+DATABASE,USER,PASSWORD);
        System.out.println("Database connection successful");

    }
    catch(Exception e) {System.out.println("MySQL Server is not RUNNING:"+e);}
    return con;
}
}
```

LOGIN PAGE:

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

public class LoginForm extends javax.swing.JFrame {
    //database related variables
    Connection con;
    ResultSet rs;
    Statement st;
    public LoginForm() {
```

```

        initComponents();
        try
        {
            con = (Connection)
DriverManager.getConnection("jdbc:mysql://localhost:3306/computerperipheral",
                "root", "");
            System.out.println("Database connection successful");
            st = con.createStatement();
        }
        catch(Exception e) {System.out.println("Exception Generated:"+e);}
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        unamelbl = new javax.swing.JLabel();
        unametxt = new javax.swing.JTextField();
        passwordlbl = new javax.swing.JLabel();
        passwordtxt = new javax.swing.JPasswordField();
        submitbtn = new javax.swing.JButton();
        clearbtn = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.cre
ateMatteBorder(1, 1, 1, 1, new java.awt.Color(0, 51, 255)), "LOGIN FORM",
javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.TOP, new
java.awt.Font("Tahoma", 0, 18), new java.awt.Color(0, 0, 204))); // NOI18N

        unamelbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        unamelbl.setText("Username:");
        passwordlbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
        passwordlbl.setText("Password:");
        passwordtxt.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                passwordtxtActionPerformed(evt);
            }
        });
        submitbtn.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N
        submitbtn.setText("Submit");
        submitbtn.addActionListener(new java.awt.event.ActionListener() {

```



```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            submitbtnActionPerformed(evt);
        }
    });
    clearbtn.setFont(new java.awt.Font("Tahoma", 0, 16)); // NOI18N
    clearbtn.setText("Clear");
    clearbtn.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            clearbtnActionPerformed(evt);
        }
    });
    javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
    jPanel1.setLayout(jPanel1Layout);
    jPanel1Layout.setHorizontalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(79, 79, 79)
                .addComponent(submitbtn)
                .addGap(53, 53, 53)
                .addComponent(clearbtn, javax.swing.GroupLayout.PREFERRED_SIZE, 80,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(passwordlbl, javax.swing.GroupLayout.PREFERRED_SIZE, 81,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(passwordtxt, javax.swing.GroupLayout.PREFERRED_SIZE, 193,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(0, 26, Short.MAX_VALUE)
                .addComponent(unamelbl, javax.swing.GroupLayout.PREFERRED_SIZE, 81,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(unametxt, javax.swing.GroupLayout.PREFERRED_SIZE, 193,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
            )
    );

```

```

        .addGap(26, 26, 26))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(46, 46, 46)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                .addComponent(unametxt, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(unamelbl, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(39, 39, 39)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(passwordlbl, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
                    javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(passwordtxt, javax.swing.GroupLayout.PREFERRED_SIZE, 25,
                    javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 63,
                Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(submitbtn)
                .addComponent(clearbtn))
            .addGap(22, 22, 22))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
    );

```

```

        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addContainerGap()
                    .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                    .addContainerGap())
                );
        pack();
    }

    private void passwordtxtActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    private void clearbtnActionPerformed(java.awt.event.ActionEvent evt) {
        unametxt.setText("");
        passwordtxt.setText("");
        unametxt.requestFocus();
        // TODO add your handling code here:
    }

    private void submitbtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        if(unametxt.getText().equals("") || passwordtxt.getText().equals("")) {
            JOptionPane.showMessageDialog(this, "Please enter username and/or password",
                "Validation Error", JOptionPane.ERROR_MESSAGE);
        }
        else
        {
            try{
                st = con.createStatement();
                String sqlstr="select * from loginform where "+ "name="+unametxt.getText()+" and
password='"+ passwordtxt.getText()+"'";
                rs = st.executeQuery(sqlstr);
                if (rs.next()) {
                    JOptionPane.showMessageDialog(this,"Login Successful!!!");
                }
            }
            else
            {

```

```

        JOptionPane.showMessageDialog(this, "Invalid Credentials!!!",
        "Login Failed", JOptionPane.ERROR_MESSAGE);
        System.exit(0);
    }
    this.setVisible(false) ;
    ComputerPeripheral cpm = new ComputerPeripheral() ;
    cpm.setLocationRelativeTo(null); // GUI comes in center
    cpm.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    cpm.setSize(400,400);
    cpm.setVisible(true);
}
catch(Exception e) {System.out.println("Exception Generated:"+e);}
finally
{
    try
    {
        if(rs!=null) rs.close();
        if(st!=null) st.close();
        if(con!=null) con.close();
    }
    catch(SQLException sqle) {System.out.println(sqle);}
} // end of finally
}
}

```

```

public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see
    http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
        javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());

```

```

        break;
    }
}
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex)
{
    java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex)
{
    java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex)
{
    java.util.logging.Logger.getLogger(LoginForm.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new LoginForm().setVisible(true);
    }
});
}
// Variables declaration - do not modify
private javax.swing.JButton clearbtn;
private javax.swing.JPanel jPanel1;
private javax.swing.JLabel passwordlbl;
private javax.swing.JPasswordField passwordtxt;
private javax.swing.JButton submitbtn;
private javax.swing.JLabel unamelbl;
private javax.swing.JTextField unametxt;
// End of variables declaration
}

```

HOME PAGE:

```
public class ComputerPeripheral extends javax.swing.JFrame {
    public ComputerPeripheral() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jPanel1 = new javax.swing.JPanel();
        addbtn = new javax.swing.JButton();
        searchbtn = new javax.swing.JButton();
        deletebtn = new javax.swing.JButton();
        purchasebtn = new javax.swing.JButton();
        jButton1 = new javax.swing.JButton();
        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
        jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.createMatteBorder(1, 1, 1, 1, new java.awt.Color(0, 0, 204)), "COMPUTER PERIPHERIAL MANAGEMENT", javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.TOP, new java.awt.Font("Tahoma", 0, 18), new java.awt.Color(0, 0, 255))); // NOI18N

        addbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        addbtn.setText("Add ");
        addbtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                addbtnActionPerformed(evt);
            }
        });
        searchbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        searchbtn.setText("Search ");
        searchbtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                searchbtnActionPerformed(evt);
            }
        });
        deletebtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
        deletebtn.setText("Delete");
        deletebtn.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                deletebtnActionPerformed(evt);
            }
        });
    }
}
```



```

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addGap(0, 0, Short.MAX_VALUE)
        .addComponent(jButton1)
        .addGap(18, 18, 18))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(28, 28, 28)
        .addComponent(addbtn)
        .addGap(18, 18, 18)
        .addComponent(searchbtn)
        .addGap(27, 27, 27)
        .addComponent(deletebtn, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(18, 18, 18)
        .addComponent(purchasebtn, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 34,
Short.MAX_VALUE)
        .addComponent(jButton1)
        .addGap(25, 25, 25))
    );
    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap())
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup())
        .addContainerGap()
        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```



```

        .addContainerGap()
    );
    pack();
} // </editor-fold>

private void purchasebtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false) ;
    Purchase pp = new Purchase() ;
    pp.setLocationRelativeTo(null); // GUI comes in center
    pp.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    pp.setSize(650,475);
    pp.setVisible(true);
}
private void addbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false) ;
    AddProduct ap = new AddProduct() ;
    ap.setLocationRelativeTo(null); // GUI comes in center
    ap.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    ap.setSize(430,450);
    ap.setVisible(true);
}
private void deletebtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false) ;
    DeleteProduct dp = new DeleteProduct() ;
    dp.setLocationRelativeTo(null); // GUI comes in center
    dp.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    dp.setSize(430,430);
    dp.setVisible(true);
}
private void searchbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false) ;
    SearchProduct sp = new SearchProduct() ;
    sp.setLocationRelativeTo(null); // GUI comes in center
    sp.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    sp.setSize(430,530);
    sp.setVisible(true);
}

```

```

    }
    private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        this.setVisible(false) ;
        LoginForm lf = new LoginForm() ;
        lf.setLocationRelativeTo(null);// GUI comes in center
        lf.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
        lf.setSize(400,300);
        lf.setVisible(true);
    }
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
java.util.logging.Logger.getLogger(ComputerPeripheral.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
            } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ComputerPeripheral.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
            } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ComputerPeripheral.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);
            } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ComputerPeripheral.class.getName()).log(java.util.logging.
Level.SEVERE, null, ex);

```

```

    }
    //</editor-fold>
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new ComputerPeripheral().setVisible(true);
        }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton addbtn;
private javax.swing.JButton deletebtn;
private javax.swing.JButton jButton1;
private javax.swing.JPanel jPanel1;
private javax.swing.JButton purchasebtn;
private javax.swing.JButton searchbtn;
// End of variables declaration
}

```

ADDING:

```

import java.sql.*;
import javax.swing.JOptionPane;
public class AddProduct extends javax.swing.JFrame {
    Connection con;
    Statement st;
    ResultSet rs;
    PreparedStatement pst;
    public AddProduct() {
        initComponents();
        dbConnect dbc=new dbConnect();
        con=dbc.Connect();
        System.out.println("DB Connected");
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        addnameLbl = new javax.swing.JLabel();
        nameTxt = new javax.swing.JTextField();

```

```

adddescbl = new javax.swing.JLabel();
desctxt = new javax.swing.JTextField();
addcatlbl = new javax.swing.JLabel();
catcombo = new javax.swing.JComboBox<>();
addmanufacbl = new javax.swing.JLabel();
manutxt = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
qntytxt = new javax.swing.JTextField();
jLabel1 = new javax.swing.JLabel();
pricetxt = new javax.swing.JTextField();
addbtn = new javax.swing.JButton();
clearbtn = new javax.swing.JButton();
backbtn = new javax.swing.JButton();
codelbl = new javax.swing.JLabel();
codetxt = new javax.swing.JTextField();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.cre
ateMatteBorder(1, 1, 1, 1, new java.awt.Color(0, 0, 153)), "REGISTRATION",
javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.TOP, new
java.awt.Font("Tahoma", 0, 18), new java.awt.Color(0, 0, 204))); // NOI18N

```

```

addnamebl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
addnamebl.setText("Name:");

```

```

adddescbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
adddescbl.setText("Description:");

```

```

addcatlbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
addcatlbl.setText("Category:");

```

```

catcombo.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
catcombo.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "Input",
"Output", "Storage devices" }));

```

```

addmanufacbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
addmanufacbl.setText("Manufacturer:");

```

```
jLabel3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel3.setText("Quantity:");
```

```
qntytxt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        qntytxtActionPerformed(evt);
    }
});
```

```
jLabel1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel1.setText("Price:");
```

```
pricetxt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        pricetxtActionPerformed(evt);
    }
});
```

```
addbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
addbtn.setText("ADD");
addbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        addbtnActionPerformed(evt);
    }
});
```

```
clearbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
clearbtn.setText("CLEAR");
clearbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        clearbtnActionPerformed(evt);
    }
});
```

```
backbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
backbtn.setText("BACK");
backbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backbtnActionPerformed(evt);
    }
});
```

```

codelbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
codelbl.setText("Code:");
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addComponent(addcatlbl, javax.swing.GroupLayout.PREFERRED_SIZE,
86, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(addmanufaclbl)
            .addComponent(addedscbl,
javax.swing.GroupLayout.PREFERRED_SIZE, 86,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(addnamebl,
javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(codelbl, javax.swing.GroupLayout.PREFERRED_SIZE,
55, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(50, 50, 50)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING, false)
                .addComponent(manutxt, javax.swing.GroupLayout.DEFAULT_SIZE,
173, Short.MAX_VALUE)
                .addComponent(catcombo, 0, 173, Short.MAX_VALUE)

```

```

        .addComponent(descetxt, javax.swing.GroupLayout.DEFAULT_SIZE, 173,
Short.MAX_VALUE)
        .addComponent(nametxt, javax.swing.GroupLayout.DEFAULT_SIZE,
173, Short.MAX_VALUE)
        .addComponent(codetxt))))
        .addContainerGap(46, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
        .addComponent(jLabel3, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 58,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(0, 0, Short.MAX_VALUE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING, false)
        .addComponent(qntytxt, javax.swing.GroupLayout.DEFAULT_SIZE, 173,
Short.MAX_VALUE)
        .addComponent(pricetxt)
        .addGap(46, 46, 46))))
    );
    jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup()
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.B
ASELINE)
    .addComponent(codelbl)
    .addComponent(codetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(18, 18, 18)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.B
ASELINE)
    .addComponent(nametxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(addnamebl)
    .addGap(18, 18, 18)

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(desctxt, javax.swing.GroupLayout.Alignment.TRAILING,
                javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(adddesclbl, javax.swing.GroupLayout.Alignment.TRAILING))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(addmanufaclbl, javax.swing.GroupLayout.PREFERRED_SIZE, 20,
                javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(catcombo, javax.swing.GroupLayout.PREFERRED_SIZE,
                        javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(addcatlbl))
                .addGap(18, 18, 18)
                .addComponent(manutxt, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(qntytxt, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(pricetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1))
            .addGap(18, 18, 18)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(addbtn)
                .addComponent(clearbtn)
                .addComponent(backbtn))
            .addContainerGap())
    );

```



```

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addGap(10, 10, 10)
        )
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        )
);

pack();
} // </editor-fold>

private void qtytxtActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void addbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:

    if(codetxt.getText().equals("")||nametxt.getText().equals("")||desctxt.getText().equals("")||manutxt.
t.getText().equals("")||qtytxt.getText().equals("")||pricetxt.getText().equals(""))
    {
        JOptionPane.showMessageDialog(this, "Please enter all credentials",
            "Validation Error", JOptionPane.ERROR_MESSAGE);
    }
    else
    {
        try{
            st = con.createStatement();
            String sqlstr="select * from addproducts";

```

```

        rs = st.executeQuery(sqlstr);
        rs.last();
        String insert_p_sql="insert into addproducts(Code,Name,Description,Category,
Manufacturer,Quantity,Price)"+
            " values(?,?,?,?,?,?,?)";
        String Category=(String) catcombo.getSelectedItem();
        pst=con.prepareStatement(insert_p_sql);
        pst.setInt(1,Integer.parseInt(codetxt.getText()));
        pst.setString(2,nametxt.getText());
        pst.setString(3,desctxt.getText());
        pst.setString(4,Category); //combo
        pst.setString(5,manutxt.getText());
        pst.setInt(6,Integer.parseInt(qntytxt.getText()));
        pst.setFloat(7,Integer.parseInt(pricetxt.getText()));
        int inserted_rows=pst.executeUpdate();
        System.out.println(inserted_rows);
        if(rs.last()){
            JOptionPane.showMessageDialog(this,"Added Successful!!!");
        }
    }
    catch(Exception e) {System.out.println("Exception Generated:"+e);
    }
}

```

```

private void clearbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    codetxt.setText("");
    nametxt.setText("");
    desctxt.setText("");
    manutxt.setText("");
    qntytxt.setText("");
    pricetxt.setText("");
    nametxt.requestFocus();
}

```

```

private void backbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false) ;
    ComputerPeripheral cpm = new ComputerPeripheral() ;
    cpm.setLocationRelativeTo(null);// GUI comes in center
}

```

```

        cpm.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
        cpm.setSize(400,400);
        cpm.setVisible(true);
    }

    private void pricetxtActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
    }

    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex)
        {
            java.util.logging.Logger.getLogger(AddProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {
            java.util.logging.Logger.getLogger(AddProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex)
        {
            java.util.logging.Logger.getLogger(AddProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex)
        {
            java.util.logging.Logger.getLogger(AddProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
        //</editor-fold>
        /* Create and display the form */
        java.awt.EventQueue.invokeLater(new Runnable() {
            public void run() {

```

```

        new AddProduct().setVisible(true);
    }
    });
}
// Variables declaration - do not modify
private javax.swing.JButton addbtn;
private javax.swing.JLabel addcatlbl;
private javax.swing.JLabel adddescbl;
private javax.swing.JLabel addmanufacbl;
private javax.swing.JLabel addnamelbl;
private javax.swing.JButton backbtn;
private javax.swing.JComboBox<String> catcombo;
private javax.swing.JButton clearbtn;
private javax.swing.JLabel codelbl;
private javax.swing.JTextField codetxt;
private javax.swing.JTextField descxtxt;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel3;
private javax.swing.JPanel jPanel1;
private javax.swing.JTextField manutxt;
private javax.swing.JTextField nametxt;
private javax.swing.JTextField pricetxt;
private javax.swing.JTextField qntytxt;
// End of variables declaration
}

```

DELETING:

```

import java.sql.*;
import javax.swing.JOptionPane;

public class DeleteProduct extends javax.swing.JFrame {
    Connection con;
    Statement st;
    ResultSet rs;
    PreparedStatement pst;
    public DeleteProduct() {
        initComponents();
        dbConnect dbc=new dbConnect();
        con=dbc.Connect();
        System.out.println("DB Connected");
    }
}

```



```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(34, 34, 34)
                .addComponent(idlbl))
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(143, 143, 143)
                .addComponent(codetxt, javax.swing.GroupLayout.PREFERRED_SIZE, 73,
javax.swing.GroupLayout.PREFERRED_SIZE)))
            .addGap(0, 11, Short.MAX_VALUE))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
            .addGap(0, 0, Short.MAX_VALUE)
            .addComponent(deletebtn)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(backbtn, javax.swing.GroupLayout.PREFERRED_SIZE, 71,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap()
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel1Layout.createSequentialGroup()
                .addGap(31, 31, 31)
                .addComponent(idlbl, javax.swing.GroupLayout.PREFERRED_SIZE, 22,
javax.swing.GroupLayout.PREFERRED_SIZE)
                .addGap(18, 18, 18)
                .addComponent(codetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 122,
Short.MAX_VALUE)
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                    .addComponent(deletebtn)
                    .addComponent(backbtn))
                .addContainerGap()
            );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(

```

```

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap())
        );
        layout.setVerticalGroup(
            layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addContainerGap())
            );
        pack();
    } // </editor-fold>

    private void deletebtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        String sqlstr="delete from addproducts where Code=?";
        try
        {
            String str1= codetxt.getText();
            pst =con.prepareStatement(sqlstr);
            pst.setString(1,str1);
            int abc = pst.executeUpdate();
            System.out.println(abc);
            if ( abc == 1){
                JOptionPane.showMessageDialog(this,"Deleted Successful!");
            }else
                JOptionPane.showMessageDialog(this,"Deletion Failed--error");
        }
        catch(Exception e) {System.out.println("Exception Generated:"+e);}
    }

    private void backbtnActionPerformed(java.awt.event.ActionEvent evt) {
        // TODO add your handling code here:
        this.setVisible(false) ;
        ComputerPeripheral cpm = new ComputerPeripheral() ;
        cpm.setLocationRelativeTo(null);// GUI comes in center
        cpm.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    }

```

```

        cpm.setSize(400,400);
        cpm.setVisible(true);
    }
    public static void main(String args[]) {
        /* Set the Nimbus look and feel */
        //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
        /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
         * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
         */
        try {
            for (javax.swing.UIManager.LookAndFeelInfo info :
                javax.swing.UIManager.getInstalledLookAndFeels()) {
                if ("Nimbus".equals(info.getName())) {
                    javax.swing.UIManager.setLookAndFeel(info.getClassName());
                    break;
                }
            }
        } catch (ClassNotFoundException ex) {

            java.util.logging.Logger.getLogger(DeleteProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (InstantiationException ex) {

            java.util.logging.Logger.getLogger(DeleteProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (IllegalAccessException ex) {

            java.util.logging.Logger.getLogger(DeleteProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        } catch (javax.swing.UnsupportedLookAndFeelException ex) {

            java.util.logging.Logger.getLogger(DeleteProduct.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
        }
    }
    //</editor-fold>
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new DeleteProduct().setVisible(true);
        }
    }

```



```

    });
}
// Variables declaration - do not modify
private javax.swing.JButton backbtn;
private javax.swing.JTextField codetxt;
private javax.swing.JButton deletebtn;
private javax.swing.JLabel idlbl;
private javax.swing.JPanel jPanel1;
// End of variables declaration
}

```

SEARCH:

```

import java.sql.*;
import javax.swing.JOptionPane;
public class SearchProduct extends javax.swing.JFrame {
    Connection con;
    Statement st;
    ResultSet rs;
    PreparedStatement pst;

    public SearchProduct() {
        initComponents();
        dbConnect dbc=new dbConnect();
        con=dbc.Connect();
        System.out.println("DB Connected");
    }

    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {

        jPanel1 = new javax.swing.JPanel();
        nameLabel = new javax.swing.JLabel();
        nametxt = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jLabel1 = new javax.swing.JLabel();
        jLabel2 = new javax.swing.JLabel();
        jLabel3 = new javax.swing.JLabel();
        jLabel4 = new javax.swing.JLabel();
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        tf1 = new javax.swing.JTextField();
        tf2 = new javax.swing.JTextField();
    }
}

```

```

tf3 = new javax.swing.JTextField();
tf4 = new javax.swing.JTextField();
tf5 = new javax.swing.JTextField();
tf6 = new javax.swing.JTextField();
tf7 = new javax.swing.JTextField();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
codelbl = new javax.swing.JLabel();
codetxt = new javax.swing.JTextField();

```

```

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

```

```

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.cre
ateMatteBorder(1, 1, 1, 1, new java.awt.Color(0, 0, 153)), "SEARCH",
javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.TOP, new
java.awt.Font("Tahoma", 0, 18), new java.awt.Color(0, 0, 204))); // NOI18N

```

```

namelbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
namelbl.setText("Enter name:");

```

```

jButton1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jButton1.setText("Search");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

jLabel1.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel1.setText("Code:");

```

```

jLabel2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel2.setText("Name:");

```

```

jLabel3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel3.setText("Description:");

```

```

jLabel4.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel4.setText("Category:");

```

```

jLabel5.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel5.setText("Manufacturer:");

```

```

jLabel6.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
jLabel6.setText("Quantity:");

```

```
jLabel7.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N  
jLabel7.setText("Price:");  
  
tf3.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        tf3ActionPerformed(evt);  
    }  
});  
  
tf4.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        tf4ActionPerformed(evt);  
    }  
});  
  
jButton2.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N  
jButton2.setText("Reset");  
jButton2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});  
  
jButton3.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N  
jButton3.setText("Back");  
jButton3.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton3ActionPerformed(evt);  
    }  
});  
  
codelbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N  
codelbl.setText("Enter Code:");  
  
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel1Layout.createSequentialGroup()  
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addComponent(tf3)  
                .addComponent(tf4)
```



```

        .addComponent(namelbl,
javax.swing.GroupLayout.PREFERRED_SIZE, 87,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNR
ELATED))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addComponent(codelbl)
        .addGap(23, 23, 23)))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Ali
gnment.LEADING, false)
        .addComponent(nametxt, javax.swing.GroupLayout.DEFAULT_SIZE,
146, Short.MAX_VALUE)
        .addComponent(codetxt))))))
        .addContainerGap(135, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.B
ASELINE)
        .addComponent(namelbl)
        .addComponent(nametxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.B
ASELINE)
        .addComponent(codelbl)
        .addComponent(codetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 19,
Short.MAX_VALUE)
        .addComponent(jButton1)
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.L
EADING)
        .addComponent(tf1, javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.B
ASELINE)
        .addComponent(tf2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```

        .addComponent(jLabel2))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.B
ASELINE)
            .addComponent(tf3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel3))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.B
ASELINE)
            .addComponent(tf4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel4))
        .addGap(8, 8, 8)
        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.B
ASELINE)
            .addComponent(tf5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel5))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.L
EADING)
            .addComponent(jLabel6)
            .addComponent(tf6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.B
ASELINE)
            .addComponent(tf7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel7))
        .addGap(30, 30, 30)
        .addGroup(jPanel1Layout.createParallelGroup(GroupLayout.Alignment.B
ASELINE)
            .addComponent(jButton2)
            .addComponent(jButton3))
        .addContainerGap()
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addContainerGap()

```

```

        .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addContainerGap()
    );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
            .addContainerGap()
        );

    pack();
} // </editor-fold>

private void tf3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void tf4ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    try {
        String str= nametxt.getText();
        String str1= codetxt.getText();
        pst=con.prepareStatement("select
Code,Name,Description,Category,Manufacturer,Quantity,Price from addproducts where Name=?
and Code=?");
        pst.setString(1,str);
        pst.setString(2, str1);
        rs=pst.executeQuery();
        if(rs.next()){
            String s =Integer.toString(rs.getInt(1));
            String s1= rs.getString(2);
            String s2= rs.getString(3);
            String s3= rs.getString(4);
            String s4= rs.getString(5);
            String s5 =Integer.toString(rs.getInt(6));
            String s6 =Integer.toString(rs.getInt(7));
            tf1.setText(s);
            tf2.setText(s1);
            tf3.setText(s2);

```

```

        tf4.setText(s3);
        tf5.setText(s4);
        tf6.setText(s5);
        tf7.setText(s6);

    }else{
        JOptionPane.showMessageDialog(null,"Information not found");
    }
} catch(Exception ex){System.out.println(ex);}
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    this.setVisible(false) ;
    ComputerPeripheral cpm = new ComputerPeripheral() ;
    cpm.setLocationRelativeTo(null);// GUI comes in center
    cpm.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    cpm.setSize(400,400);
    cpm.setVisible(true);
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    nametxt.setText("");
    codetxt.setText("");
    tf1.setText("");
    tf2.setText("");
    tf3.setText("");
    tf4.setText("");
    tf5.setText("");
    tf6.setText("");
    tf7.setText("");
    nametxt.requestFocus();
}

public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Main.class).log(java.util.logging.Level.SEVERE, null, ex);
    }
}

```



```

    }
}
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(SearchProduct.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(SearchProduct.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(SearchProduct.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(SearchProduct.class.getName()).log(java.util.logging.Level.
SEVERE, null, ex);
    }
}
//</editor-fold>

/* Create and display the form */
java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new SearchProduct().setVisible(true);
    }
});
}

// Variables declaration - do not modify
private javax.swing.JLabel codeLbl;
private javax.swing.JTextField codeTxt;
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JLabel nameLbl;
private javax.swing.JTextField nameTxt;
private javax.swing.JTextField tf1;

```

```

private javax.swing.JTextField tf2;
private javax.swing.JTextField tf3;
private javax.swing.JTextField tf4;
private javax.swing.JTextField tf5;
private javax.swing.JTextField tf6;
private javax.swing.JTextField tf7;
// End of variables declaration
}

```

PURCHASE:

```

import java.sql.*;
import javax.swing.JOptionPane;
public class Purchase extends javax.swing.JFrame {
    Connection con;
    Statement st;
    ResultSet rs;
    PreparedStatement pst;
    public Purchase() {
        initComponents();
        dbConnect dbc=new dbConnect();
        con=dbc.Connect();
        System.out.println("DB Connected");
    }
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    private void initComponents() {
        jLabel5 = new javax.swing.JLabel();
        jLabel6 = new javax.swing.JLabel();
        jLabel7 = new javax.swing.JLabel();
        jPanel1 = new javax.swing.JPanel();
        cnamelbl = new javax.swing.JLabel();
        cnametxt = new javax.swing.JTextField();
        cphonelbl = new javax.swing.JLabel();
        cphonetxt = new javax.swing.JTextField();
        caddlbl = new javax.swing.JLabel();
        caddtxt = new javax.swing.JTextField();
        namelbl = new javax.swing.JLabel();
        nametxt = new javax.swing.JTextField();
    }
}

```

```

qntyLbl = new javax.swing.JLabel();
qntyTxt = new javax.swing.JTextField();
amountLbl = new javax.swing.JLabel();
amountTxt = new javax.swing.JTextField();
sumUpBtn = new javax.swing.JButton();
dateLbl = new javax.swing.JLabel();
dateTxt = new javax.swing.JTextField();
unitPlbl = new javax.swing.JLabel();
unitPtxt = new javax.swing.JTextField();
resetBtn = new javax.swing.JButton();
backBtn = new javax.swing.JButton();
jLabel5.setText("jLabel5");
jLabel6.setText("jLabel6");
jLabel7.setText("jLabel7");
setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(javax.swing.BorderFactory.cre
ateMatteBorder(1, 1, 1, 1, new java.awt.Color(0, 0, 153)), "PURCHASE",
javax.swing.border.TitledBorder.CENTER, javax.swing.border.TitledBorder.TOP, new
java.awt.Font("Tahoma", 0, 18), new java.awt.Color(0, 0, 204))); // NOI18N
cNameLbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
cNameLbl.setText("Customer's Name:");
cNameTxt.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
cNameTxt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cNameTxtActionPerformed(evt);
    }
});
cPhoneLbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
cPhoneLbl.setText("Phone no:");
cPhoneTxt.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
cAddLbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
cAddLbl.setText("Customer's Address:");
nameLbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
nameLbl.setText("Product Name:");
nameTxt.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
qntyLbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
qntyLbl.setText("Quantity:");
qntyTxt.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N

```

```

amountlbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
amountlbl.setText("Total Amount:");
amounttxt.setFont(new java.awt.Font("Tahoma", 1, 18)); // NOI18N
sumupbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
sumupbtn.setText("Sum up");
sumupbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        sumupbtnActionPerformed(evt);
    }
});
datelbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
datelbl.setText("Date:");
unitplbl.setFont(new java.awt.Font("Tahoma", 0, 14)); // NOI18N
unitplbl.setText("Unit Price:");
resetbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
resetbtn.setText("Reset");
resetbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        resetbtnActionPerformed(evt);
    }
});
backbtn.setFont(new java.awt.Font("Tahoma", 0, 18)); // NOI18N
backbtn.setText("Back");
backbtn.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        backbtnActionPerformed(evt);
    }
});
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
jPanel1.setLayout(jPanel1Layout);
jPanel1Layout.setHorizontalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(20, 20, 20)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

```

```

        .addComponent(caddlbl, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(namelbl, javax.swing.GroupLayout.PREFERRED_SIZE, 105,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(qntybl, javax.swing.GroupLayout.PREFERRED_SIZE, 105,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cnamelbl, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        .addGap(4, 4, 4)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(qntytxt, javax.swing.GroupLayout.PREFERRED_SIZE, 194,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(nametxt, javax.swing.GroupLayout.PREFERRED_SIZE, 194,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
        .addComponent(caddtxt, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 162, Short.MAX_VALUE)
        .addComponent(cnametxt, javax.swing.GroupLayout.Alignment.LEADING))
        .addGap(25, 25, 25)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(cphonebl)
        .addComponent(datelbl))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(datetxt, javax.swing.GroupLayout.DEFAULT_SIZE, 143,
Short.MAX_VALUE)
        .addComponent(cphonetxt))))
        .addGap(0, 0, Short.MAX_VALUE))
        .addGroup(jPanel1Layout.createSequentialGroup()
        .addContainerGap()
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(sumupbtn)

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(unitplbl)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(unitptxt, javax.swing.GroupLayout.PREFERRED_SIZE, 98,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(62, 62, 62)
        .addComponent(resetbtn)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 63,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LE
ADING)
        .addComponent(backbtn)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(amountlbl)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addComponent(amounttxt, javax.swing.GroupLayout.PREFERRED_SIZE, 91,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addContainerGap())
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGap(27, 27, 27)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TR
AILING)
        .addGroup(jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.BASELINE)
        .addComponent(cnamelbl)
        .addComponent(cnameetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(cphonelbl)
        .addComponent(cphonetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup())

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.LEADING)
            .addComponent(caddlbl)
            .addComponent(caddtxt, javax.swing.GroupLayout.PREFERRED_SIZE, 51,
javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(49, 49, 49)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Align
ment.BASELINE)
            .addComponent(namelbl)
            .addComponent(nametxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(18, 18, 18)
        .addComponent(qntytxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.BASELINE)
            .addComponent(datelbl)
            .addComponent(datetxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addComponent(qntybl))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 44,
Short.MAX_VALUE)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.BASELINE)
            .addComponent(sumupbtn)
            .addComponent(resetbtn)
            .addComponent(backbtn))
        .addGap(55, 55, 55)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignm
ent.LEADING)
            .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup()
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.BASELINE)
                    .addComponent(amountlbl, javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)
                    .addComponent(amounttxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

```

```

        .addGap(19, 19, 19))
        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignmen
t.BASELINE)
        .addComponent(unitplbl)
        .addComponent(unitptxt, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(24, 24, 24)))
    );

    javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
    getContentPane().setLayout(layout);
    layout.setHorizontalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(19, 19, 19)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(19, 19, 19)
            );
    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(layout.createSequentialGroup()
                .addGap(19, 19, 19)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addGap(19, 19, 19)
            );

    pack();
} // </editor-fold>

private void cnametxtActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
}

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

```



```

// TODO add your handling code here:
    this.setVisible(false) ;
    ComputerPeripheral cpm = new ComputerPeripheral() ;
    cpm.setLocationRelativeTo(null); // GUI comes in center
    cpm.setTitle("COMPUTER PERIPHERIAL MANAGEMENT");
    cpm.setSize(400,400);
    cpm.setVisible(true);
}

private void resetbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    cnametxt.setText("");
    cphonetxt.setText("");
    caddtxt.setText("");
    datetxt.setText("");
    nametxt.setText("");
    qtytxt.setText("");
    unitptxt.setText("");
    amounttxt.setText("");
    cnametxt.requestFocus();
}

private void sumupbtnActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here
    if(cnametxt.getText().equals("") || cphonetxt.getText().equals("") || caddtxt.getText().equals("") |
    |datetxt.getText().equals("") || nametxt.getText().equals("") || qtytxt.getText().equals(""))
    {
        JOptionPane.showMessageDialog(this, "Please enter all credentials",
        "Validation Error", JOptionPane.ERROR_MESSAGE);
    }
    else
    {
        try
        {
            int quantity= Integer.parseInt(qtytxt.getText());
            // System.out.println(quantity);
            String str1= nametxt.getText();
            pst=con.prepareStatement("select Price from addproducts where Name=?");
            pst.setString(1, str1);
            rs=pst.executeQuery();

```

```

        if(rs.next()){
            String s =Integer.toString(rs.getInt(1));
            unitptxt.setText(s);
            int price= Integer.parseInt(s);
            System.out.println(price);
            int pqr=price*quantity;
            System.out.println(pqr);
            String s1= Integer.toString(pqr);
            amounttxt.setText(s1);
        }
        else
        {
            JOptionPane.showMessageDialog(null,"Information not found");
        }
        st = con.createStatement();
        String sqlStr="select * from customerdetail";
        rs = st.executeQuery(sqlStr);
        rs.last();
        String insert_c_sql="insert into
customerdetail(CustomerName,Contact,Address,Date,ProductName,Quantity,UnitPrice,TotalA
mount)"+ " values(?,?,?,?,?,?,?,?)";
        pst=con.prepareStatement(insert_c_sql);
        pst.setString(1,cnametxt.getText());
        pst.setFloat(2,Float.parseFloat(cphonetxt.getText()));
        pst.setString(3,caddtxt.getText());
        pst.setString(4,datetxt.getText());
        pst.setString(5,nametxt.getText());
        pst.setInt(6,Integer.parseInt(qntytxt.getText()));
        pst.setInt(7,Integer.parseInt(unitptxt.getText()));
        pst.setInt(8,Integer.parseInt(amounttxt.getText()));
        int inserted_rows=pst.executeUpdate();

    }
    catch(Exception e) {System.out.println("Exception Generated:"+e);}
}
}

/**

```

```

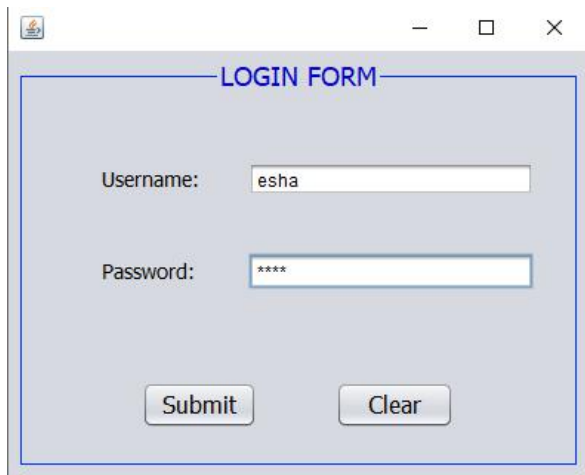
* @param args the command line arguments
*/
public static void main(String args[]) {
    /* Set the Nimbus look and feel */
    //<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">
    /* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.
    * For details see
    http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html
    */
    try {
        for (javax.swing.UIManager.LookAndFeelInfo info :
javax.swing.UIManager.getInstalledLookAndFeels()) {
            if ("Nimbus".equals(info.getName())) {
                javax.swing.UIManager.setLookAndFeel(info.getClassName());
                break;
            }
        }
    } catch (ClassNotFoundException ex) {
java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
    } catch (InstantiationException ex)
{
    java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    } catch (IllegalAccessException ex)
{
    java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex)
{
    java.util.logging.Logger.getLogger(Purchase.class.getName()).log(java.util.logging.Level.S
EVERE, null, ex);
    }
    //</editor-fold>
    /* Create and display the form */
    java.awt.EventQueue.invokeLater(new Runnable() {
        public void run() {
            new Purchase().setVisible(true);
        }
    });
}

```

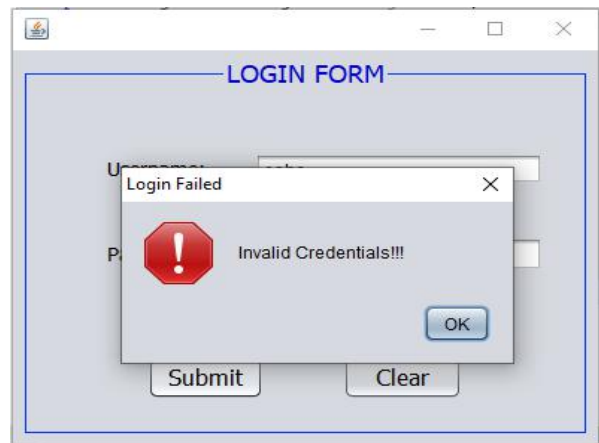
```
// Variables declaration - do not modify
private javax.swing.JLabel amountlbl;
private javax.swing.JTextField amounttxt;
private javax.swing.JButton backbtn;
private javax.swing.JLabel caddlbl;
private javax.swing.JTextField caddtxt;
private javax.swing.JLabel cnamelbl;
private javax.swing.JTextField cnametxt;
private javax.swing.JLabel cphonelbl;
private javax.swing.JTextField cphonetxt;
private javax.swing.JLabel datelbl;
private javax.swing.JTextField datetxt;
private javax.swing.JLabel jLabel5;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JPanel jPanel1;
private javax.swing.JLabel namelbl;
private javax.swing.JTextField nametxt;
private javax.swing.JLabel qntylbl;
private javax.swing.JTextField qntytxt;
private javax.swing.JButton resetbtn;
private javax.swing.JButton sumupbtn;
private javax.swing.JLabel unitplbl;
private javax.swing.JTextField unitptxt;
// End of variables declaration
}
```

OUTPUT:

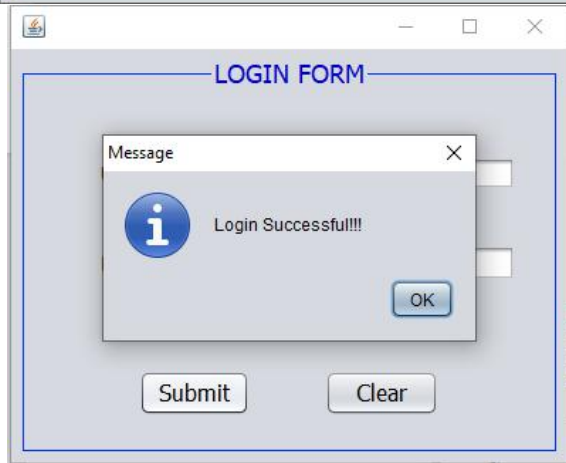
Login:



A screenshot of a web application window titled "LOGIN FORM". It contains two input fields: "Username:" with the text "esha" and "Password:" with masked characters "****". Below the fields are two buttons: "Submit" and "Clear".

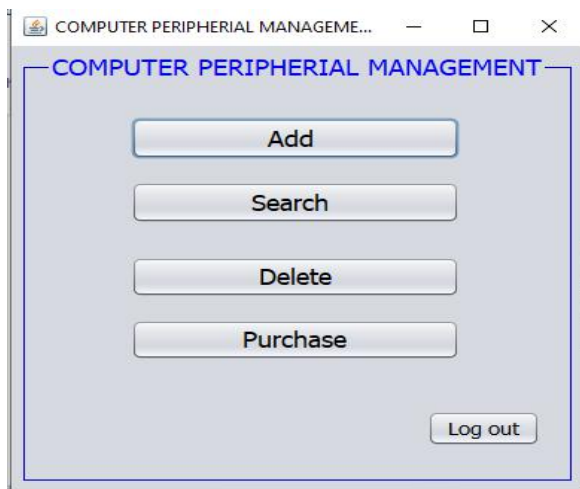


A screenshot of the "LOGIN FORM" window with a modal dialog box titled "Login Failed" overlaid. The dialog contains a red octagonal warning icon with a white exclamation mark and the text "Invalid Credentials!!!". An "OK" button is at the bottom right of the dialog. The "Submit" and "Clear" buttons are visible behind the dialog.



A screenshot of the "LOGIN FORM" window with a modal dialog box titled "Message" overlaid. The dialog contains a blue circular information icon with a white 'i' and the text "Login Successful!!!". An "OK" button is at the bottom right of the dialog. The "Submit" and "Clear" buttons are visible behind the dialog.

HomePage:



A screenshot of a web application window titled "COMPUTER PERIPHERAL MANAGEMENT". It features four large buttons stacked vertically: "Add", "Search", "Delete", and "Purchase". A "Log out" button is located at the bottom right of the window.

ADDING:

COMPUTER PERIPHERIAL MANAGEMENT

REGISTRATION

Code: 205

Name: Hard Drive

Description: BarraCuda 500GB SATA

Category: Storage devices

Manufacturer: Seagate

Quantity: 37

Price: 3240

ADD CLEAR BACK

Validation Error

Please enter all credentials

OK

COMPUTER PERIPHERIAL MANAGEMENT

REGISTRATION

Code: 205

Name: Hard Drive

Description: BarraCuda 500GB SATA

Category: Storage devices

Manufacturer: Seagate

Quantity: 37

Price: 3240


ADD CLEAR BACK

Message

Added Successful!!!

OK

DELETING:



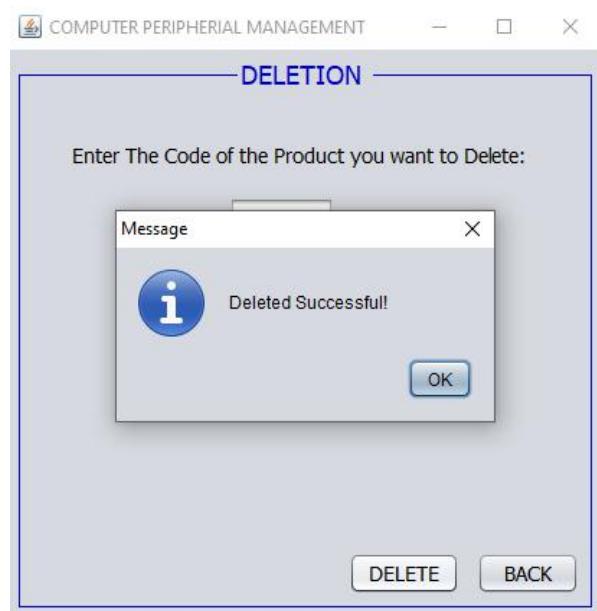
COMPUTER PERIPHERAL MANAGEMENT

DELETION

Enter The Code of the Product you want to Delete:

205

DELETE BACK



COMPUTER PERIPHERAL MANAGEMENT

DELETION

Enter The Code of the Product you want to Delete:

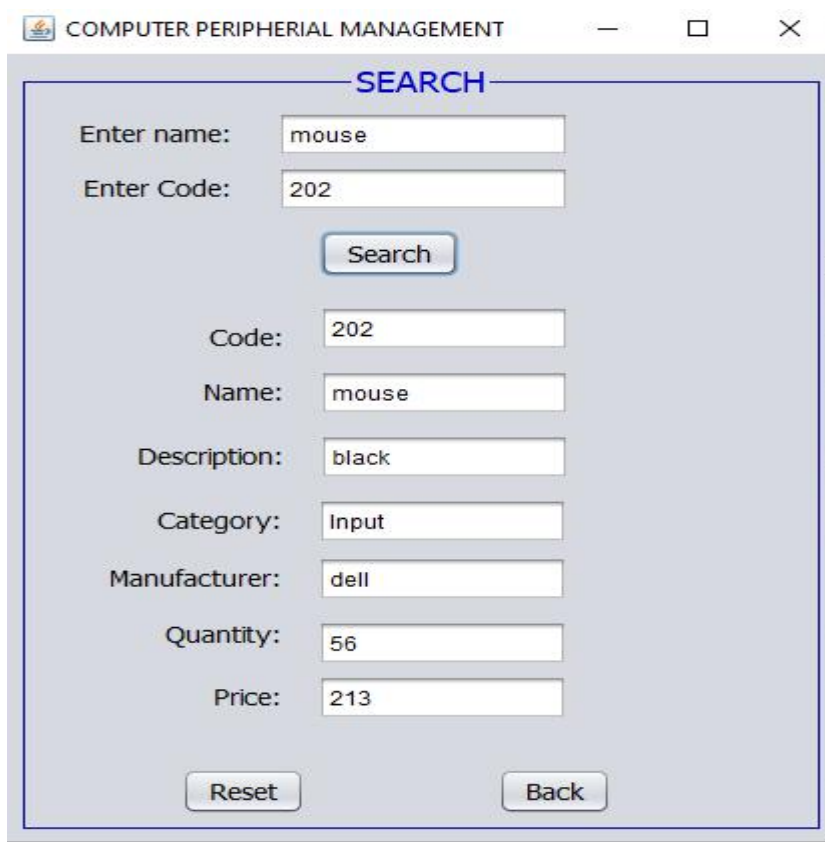
Message

Deleted Successful!

OK

DELETE BACK

SEARCHING:



COMPUTER PERIPHERAL MANAGEMENT

SEARCH

Enter name: mouse

Enter Code: 202

Search

Code: 202

Name: mouse

Description: black

Category: Input

Manufacturer: dell

Quantity: 56

Price: 213

Reset Back

PURCHASING:

COMPUTER PERIPHERAL MANAGEMENT

PURCHASE

Customer's Name: Janvi Phone no: 9815622884

Customer's Address: Vile Parle,Mumbai Date: 25-11-2020

Product Name:

Quantity: 3

Sum up Reset Back

Unit Price: Total Amount:

Validation Error

! Please enter all credentials

OK

COMPUTER PERIPHERAL MANAGEMENT

PURCHASE

Customer's Name: Janvi Phone no: 9815622884

Customer's Address: Vile Parle,Mumbai Date: 25-11-2020

Product Name: keyboard

Quantity: 3

Sum up Reset Back

Unit Price: 999 Total Amount: **2997**

Future Scope:

This project of Computer Pheripheral Management is a useful projects that may help to maintain records of the peripherals. To enhance and boost this project we can add more features in future like the emailing, update, exchanging peripherals. The emails can be sent to Specific customers regarding the offers available. Update option can be adding to update the customers details. The GUI of this project can be made simple, attractive and easy to navigate.

Conclusion

From this mini project, I have learnt several concepts of Java by implementing them. This is made using Swing as it provides platform-independent and lightweight components. I have made use of classes for java swing API provided by javax.swing package such as JButton, JTextField, JCombobox, JPasswordField, etc. I have also learnt the connection of this java file with database by which I can insert the products and customer details to maintain the records.

References:

- [1] https://www.tutorialspoint.com/springjdbc/springjdbc_delete_query.htm
- [2] <https://www.c-sharpcorner.com/UploadFile/fd0172/search-records-from-database-using-swing-gui-in-java/>

