

JAVA SWINGS BASED- CRIME DETECTION

- SQL CONNECTIVITY USING JDBC

A

Report

*Submitted in partial fulfillment of the
Requirements for the award of the Degree
of*

BACHELOR OF ENGINEERING

IN

INFORMATION TECHNOLOGY

By

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BONAFIDE CERTIFICATE

This is to certify that this project report titled '**CRIME DETECTION POLICIES**' is a project work of Bajjuri Tarun bearing roll no. 1602-20-737-054 who carried out the project under my supervision in the IV semester for the academic year 2021- 2022.

Signature

Internal Examiner
Examiner

Signature

External

In this project we are going to create the tables of admin, post_case, department ,victim by using these tables The project Crime Detection Policies management system used to save the data of the crime spot , to save the information of the department who solved the case, the information about victim , and the admin who dealing the case.

REQUIREMENT ANALYSIS:

List of Tables:

- User_victim
- Post_case
- Department
- Admin

List of Attributes with their Domain Types:

USER VICTIM:

○ FIRSTNAME	VARCHAR2(10)
○ LASTNAME	VARCHAR2(10)
○ PHONENO	NUMBER(5)
○ ISVICTIM	VARCHAR2(5)
○ INCIDENT_DATE	DATE
○ LOCATION	VARCHAR2(15)

POST_CASE:

○ CASE_ID	VARCHAR(5)
○ CASE_CATEGORY	VARCHAR(10)
○ LOCATION	VARCHAR(20)
○ DIDREQUESTFORHELP	VARCHAR(5)

- CASE_DESC VARCHAR(30)
- FIRSTNAME VARCHAR(10)

DEPARTMENT:

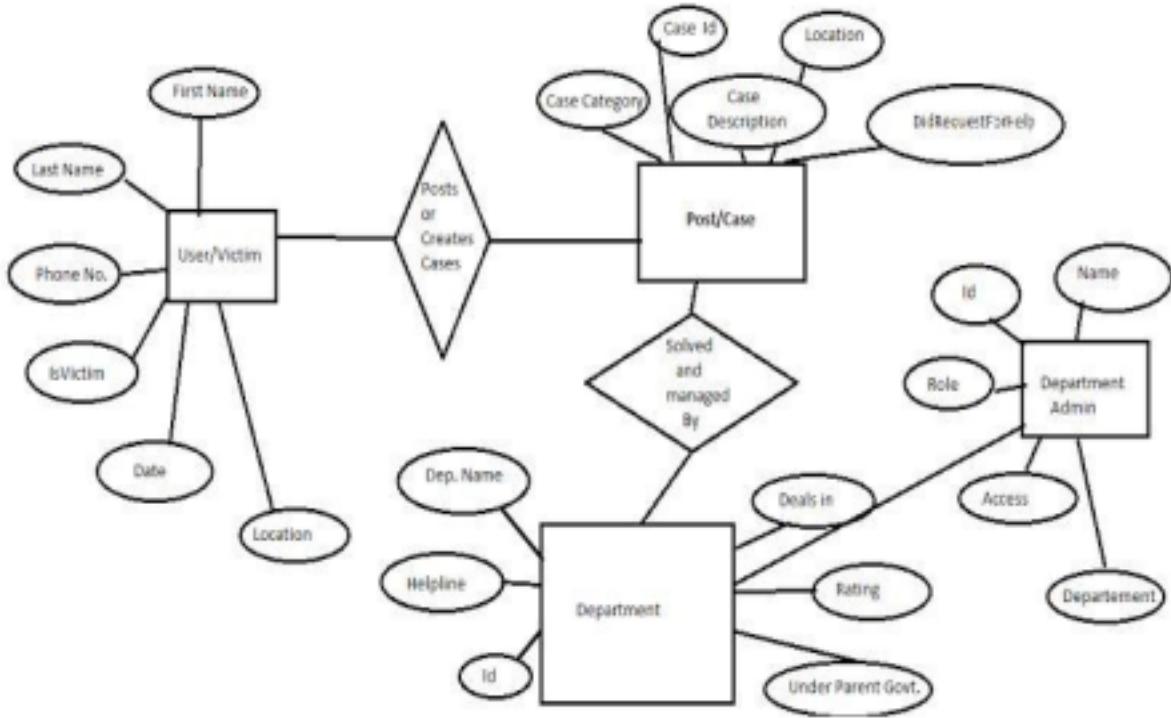
- DEP_NAME VARCHAR(10)
- DETAILS_IN VARCHAR(15)
- RATING NUMBER(5)
- HELPLINE NUMBER(10)
- ID VARCHAR(5)

ADMIN:

- ADMIN_ID VARCHAR(10)
- NAME VARCHAR(10)
- ROLE VARCHAR(10)
- DEPT_NAME VARCHAR(1)

DESIGN:

ER DIAGRAM:



DDL COMMANDS:

1)

```
Create table user_victim(  
    Firstname varchar(10),  
    Lastname varchar(10),  
    Phoneno number(10) not null,  
    Isvivtin varchar(5),  
    Incident_date date not null,  
    Location varchar(15));
```

```
SQL> create table user_victim(
  2  firstname varchar(10),
  3  lastname varchar(10),
  4  phoneno number(10) not null,
  5  isvictim varchar(5),
  6  incident_date date not null,
  7  location varchar(15));
```

Table created.

```
SQL> alter table user_victim add constraint pk1_victim primary key(firstname);
```

Table altered.

```
SQL> desc user_victim;
```

Name	Null?	Type
FIRSTNAME	NOT NULL	VARCHAR2(10)
LASTNAME		VARCHAR2(10)
PHONENO	NOT NULL	NUMBER(10)
ISVICTIM		VARCHAR2(5)
INCIDENT_DATE	NOT NULL	DATE
LOCATION		VARCHAR2(15)

2)

```
create table post_case(
case_id varchar(5),
case_category varchar(10),
location varchar(15),
didrequestforhelp varchar(5),
case_desc varchar(30),
firstname varchar(10));
```

```
SQL> create table post_case(
  2  case_id varchar(5),
  3  case_category varchar(10),
  4  location varchar(15),
  5  didrequestforhelp varchar(5),
  6  case_desc varchar(30),
  7  firstname varchar(10));
```

Table created.

```

SQL> alter table post_case add constraint pk_postcase primary key(case_id);
Table altered.

SQL> alter table post_case add constraint fk_post foreign key(firstname) references user__victim(firstname);
Table altered.

SQL> desc post_case;
Name          Null?    Type
-----        -----   -----
CASE_ID      NOT NULL VARCHAR2(5)
CASE_CATEGORY      VARCHAR2(10)
LOCATION      VARCHAR2(15)
DIDREQUESTFORHELP  VARCHAR2(5)
CASE_DESC      VARCHAR2(30)
FIRSTNAME      VARCHAR2(10)

```

3)

create table department(
 dep_name varchar(10),
 Deals_in varchar(15),
 Rating number(5) not null,
 Helpline number(10),
 Id varchar(5));

```

SQL> create table department(
  2  dep_name varchar(10),
  3  Deals_in varchar(15),
  4  rating number(5) not null,
  5  helpline number(10),
  6  id varchar(5));

```

Table created.

```

SQL> alter table department add constraint fk_dept foreign key(id) references post_case(case_id);
Table altered.

SQL> alter table department add constraint pk_dept primary key(dep_name);
Table altered.

SQL> desc department;
Name          Null?    Type
-----        -----   -----
DEP_NAME      NOT NULL VARCHAR2(10)
DEALS_IN      VARCHAR2(15)
RATING      NOT NULL NUMBER(5)
HELPLINE      NUMBER(10)
ID            VARCHAR2(5)

```

4)

Create table admin(
Id varchar(5),
Name varchar(10) not null,
Role varchar(10),
Dept_name varchar(10),
Foreign key(id) references department);

```
SQL> create table admin(  
 2  admin_id varchar(10),  
 3  name varchar(10) not null,  
 4  role varchar(10),  
 5  dept_name varchar(10));
```

Table created.

```
SQL> alter table admin add constraint pk_admin primary key(admin_id);  
Table altered.  
  
SQL> alter table admin add constraint fk_admin foreign key(dept_name) references department(dep_name);  
Table altered.  
  
SQL> desc admin;  
Name Null? Type  
-----  
ADMIN_ID NOT NULL VARCHAR2(10)  
NAME NOT NULL VARCHAR2(10)  
ROLE VARCHAR2(10)  
DEPT_NAME VARCHAR2(10)
```

DML COMMANDS:

1) Inserting values into user_victim

Insert user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location');

```
SQL> insert into user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location');  
Enter value for firstname: allen  
Enter value for lastname: isabel  
Enter value for phoneno: 9998882234  
Enter value for isvictim: yes  
Enter value for incident_date: 10-mar-22  
Enter value for location: hyderabad  
old  1: insert into user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location')  
new  1: insert into user_victim values('allen','isabel','9998882234','yes','10-mar-22','hyderabad')  
  
1 row created.
```

```

SQL> insert into user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location');
Enter value for firstname: ram
Enter value for lastname: kumar
Enter value for phoneno: 8790563421
Enter value for isvictim: yes
Enter value for incident_date: 12-feb-22
Enter value for location: khammam
old  1: insert into user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location')
new  1: insert into user_victim values('ram','kumar','8790563421','yes','12-feb-22','khammam')

1 row created.

```

```

SQL> insert into user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location');
Enter value for firstname: param
Enter value for lastname: singh
Enter value for phoneno: 9878902341
Enter value for isvictim: yes
Enter value for incident_date: 15-jan-22
Enter value for location: hyderabad
old  1: insert into user_victim values('&firstname','&lastname','&phoneno','&isvictim','&incident_date','&location')
new  1: insert into user_victim values('param','singh','9878902341','yes','15-jan-22','hyderabad')

1 row created.

```

```
SQL> select * from user_victim;
```

FIRSTNAME	LASTNAME	PHONENO	ISVIC	INCIDENT_DATE	LOCATION
allen	isabel	9998882234	yes	10-MAR-22	hyderabad
param	singh	9878902341	yes	15-JAN-22	hyderabad
ram	kumar	8790563421	yes	12-FEB-22	khammam

2) Inserting values into post case

Insert into post_case values('&case_id', '&case_category', '&location', '&didrequestforhelp', '&case_desc', '&firstname');

```

SQL> insert into post_case values('&case_id','&case_category','&location','&didrequestforhelp','&case_desc','&firstname');
Enter value for case_id: A123
Enter value for case_category: robbery
Enter value for location: hyderabad
Enter value for didrequestforhelp: yes
Enter value for case_desc: money robbery
Enter value for firstname: ram
old  1: insert into post_case values('&case_id','&case_category','&location','&didrequestforhelp','&case_desc','&firstname')
new  1: insert into post_case values('A123','robbery','hyderabad','yes','money robbery','ram')

1 row created.

```

```

SQL> insert into post_case values('&case_id','&case_category','&location','&didrequestforhelp','&case_desc','&firstname');
Enter value for case_id: A543
Enter value for case_category: kidnapping
Enter value for location: hyderabad
Enter value for didrequestforhelp: yes
Enter value for case_desc: 5 year old got kidnapped
Enter value for firstname: param
old  1: insert into post_case values('&case_id','&case_category','&location','&didrequestforhelp','&case_desc','&firstname')
new  1: insert into post_case values('A543','kidnapping','hyderabad','yes','5 year old got kidnapped','param')

1 row created.

```

```

SQL> insert into post_case values('&case_id','&case_category','&location','&didrequestforhelp','&case_desc','&firstname');
Enter value for case_id: s198
Enter value for case_category: CyberCrime
Enter value for location: khamman
Enter value for didrequestforhelp: yes
Enter value for case_desc: CyberCrime
Enter value for firstname: allen
old  1: insert into post_case values('&case_id','&case_category','&location','&didrequestforhelp','&case_desc','&firstname')
new  1: insert into post_case values('s198','CyberCrime','khamman','yes','CyberCrime','allen')

1 row created.

```

```

SQL> select * from post_case;

CASE_ CASE_CATEG LOCATION      DIDRE CASE_DESC          FIRSTNAME
----- -----
A123   robbery    hyderabad     yes   money robbery        ram
A543   kidnapping hyderabad     yes   5 year old got kidnapped param
S198   CyberCrime khamman      yes   CyberCrime         allen

```

3)

Inserting values into department

Insert into department values('&dep_name','&deals_in', '&rating', '&helpline', '&id');

```

SQL> insert into department values('&dep_name','&Deals_in','&rating','&helpline','&id');
Enter value for dep_name: CID
Enter value for deals_in: robbery
Enter value for rating: 4.7
Enter value for helpline: 040245678
Enter value for id: A123
old  1: insert into department values('&dep_name','&Deals_in','&rating','&helpline','&id')
new  1: insert into department values('CID','robbery','4.7','040245678','A123')

1 row created.

```

```

SQL> insert into department values('&dep_name','&Deals_in','&rating','&helpline','&id');
Enter value for dep_name: Police
Enter value for deals_in: Kidnapping
Enter value for rating: 4
Enter value for helpline: 100
Enter value for id: A543
old  1: insert into department values('&dep_name','&Deals_in','&rating','&helpline','&id')
new  1: insert into department values('Police','Kidnapping','4','100','A543')

1 row created.

```

```

SQL> insert into department values('&dep_name','&Deals_in','&rating','&helpline','&id');
Enter value for dep_name: CIS
Enter value for deals_in: Cyber crimes
Enter value for rating: 4.5
Enter value for helpline: 04024567
Enter value for id: s198
old  1: insert into department values('&dep_name','&Deals_in','&rating','&helpline','&id')
new  1: insert into department values('CIS','Cyber crimes','4.5','04024567','s198')

1 row created.

```

```
SQL> select * from department;
```

DEP_NAME	DEALS_IN	RATING	HELPLINE_ID
CID	robbery	5	40245678 A123
Police	Kidnapping	4	100 A543
CIS	Cyber crimes	5	4024567 s198

4) Inserting values into admin values

```
Insert into admin values('&admin_id', '&name', '&role', '&dept_name');
```

```
SQL> insert into admin values('&admin_id', '&name', '&role', '&dept_name');
Enter value for admin_id: 1023A
Enter value for name: Pavan
Enter value for role: officer
Enter value for dept_name: CID
old   1: insert into admin values('&admin_id', '&name', '&role', '&dept_name')
new   1: insert into admin values('1023A', 'Pavan', 'officer', 'CID')

1 row created.
```

```
SQL> insert into admin values('&admin_id', '&name', '&role', '&dept_name');
Enter value for admin_id: P9076
Enter value for name: Sreeja
Enter value for role: Detective
Enter value for dept_name: Police
old   1: insert into admin values('&admin_id', '&name', '&role', '&dept_name')
new   1: insert into admin values('P9076', 'Sreeja', 'Detective', 'Police')

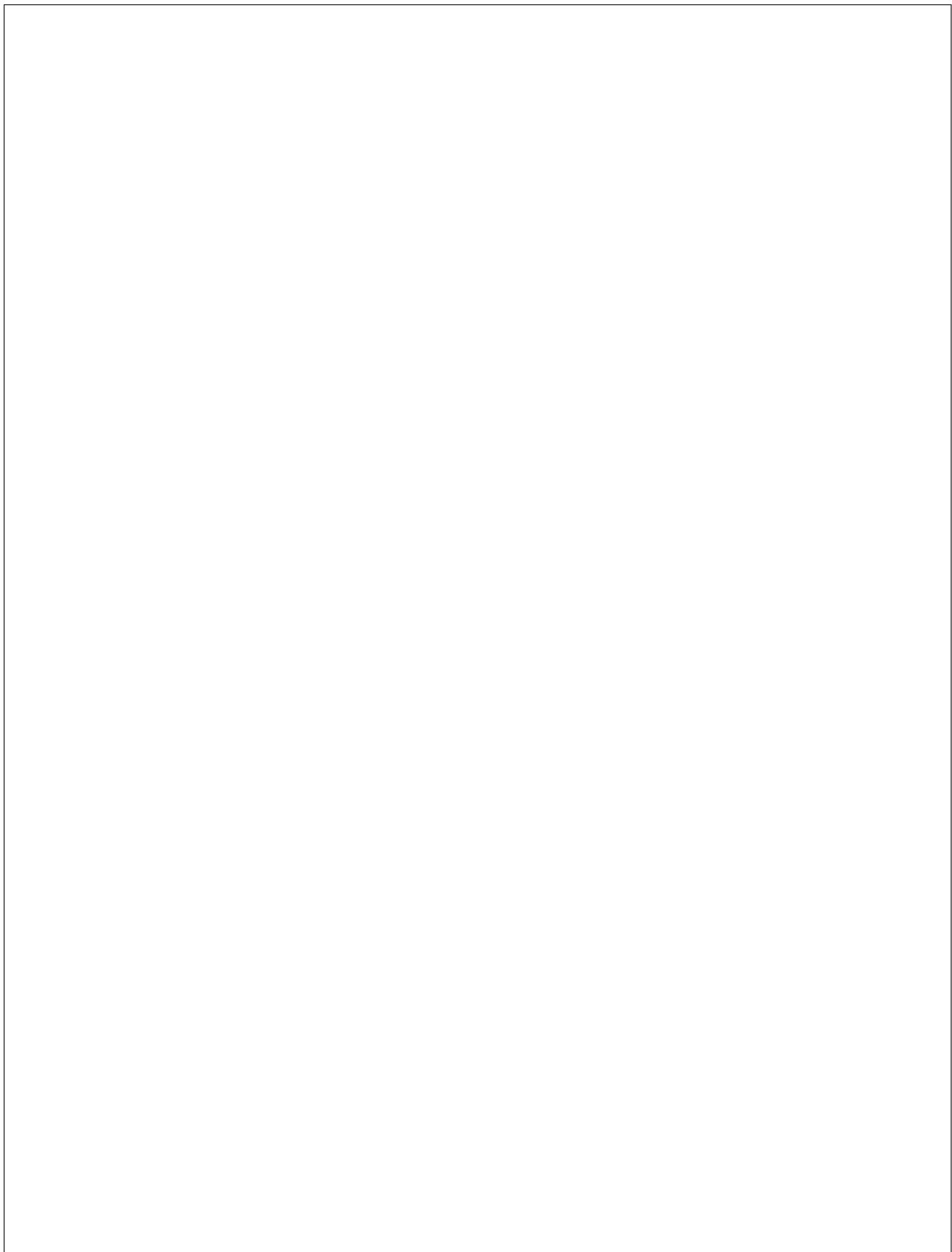
1 row created.
```

```
SQL> insert into admin values('&admin_id', '&name', '&role', '&dept_name');
Enter value for admin_id: R5623
Enter value for name: Kanth
Enter value for role: officer
Enter value for dept_name: CIS
old   1: insert into admin values('&admin_id', '&name', '&role', '&dept_name')
new   1: insert into admin values('R5623', 'Kanth', 'officer', 'CIS')

1 row created.
```

```
SQL> select * from admin;

ADMIN_ID      NAME        ROLE        DEPT_NAME
-----  -----
1023A          Pavan       officer     CID
P9076          Sreeja      Detective  Police
R5623          Kanth       officer     CIS
```



IMPLEMENTATION:

Front end programs and its connectivity

Java Database Connectivity (JDBC) is an application programming interface (API) for the programming language Java, which defines how a client may access a database. It is a Java-based data access technology used for Java database connectivity. It is part of the Java Standard Edition platform, from Oracle Corporation. It provides methods to query and update data in a database and is oriented towards relational databases.

The connection to the database can be performed using Java programming (JDBC API) as:

```
public void connectToDB(){
    try {
        Connection con =
        DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","tarun","4600");

    }
    catch (SQLException connectException){
        System.out.println(connectException.getMessage());
        System.out.println(connectException.getSQLState());
        System.out.println(connectException.getErrorCode());
        System.exit(1);
    }
}
```

Thus, the connection from Java to Oracle database is performed and therefore, can be used for updating tables in the database directly.

MAIN METHOD:

```
public class Main {
    public static void main(String[] args) {
        GUI();
    }
}
```

GUI:

```
package crime.detection;
public class GUI extends javax.swing.JFrame {
    public GUI() {
        initComponents();
    }

    @SuppressWarnings("unchecked")
    private void initComponents() {

        jButton3 = new javax.swing.JButton();
        jButton1 = new javax.swing.JButton();
    }
}
```

```

jButton2 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();

jButton3.setText("jButton3");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);
getContentPane().setLayout(new org.netbeans.lib.awtextra.AbsoluteLayout());

jButton1.setFont(new java.awt.Font("Segoe UI", 1, 18)); //
NOI18N jButton1.setForeground(new java.awt.Color(255, 255,
255)); jButton1.setText("Post/Create cases");
jButton1.setContentAreaFilled(false);
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});
getContentPane().add(jButton1, new org.netbeans.lib.awtextra.AbsoluteConstraints(40, 280, 200, 40));

jButton2.setFont(new java.awt.Font("Segoe UI", 1, 18)); //
NOI18N jButton2.setForeground(new java.awt.Color(255, 255,
255)); jButton2.setText(" Solved/Managed by");
jButton2.setContentAreaFilled(false);
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});
getContentPane().add(jButton2, new org.netbeans.lib.awtextra.AbsoluteConstraints(290, 280, 210, 40));

jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 18));
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("CRIME DECTECTION POLICIES");
getContentPane().add(jLabel1, new org.netbeans.lib.awtextra.AbsoluteConstraints(140, 20, -1, -1));

jLabel2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/crime/detection/crime detection bg1.jpg"))); //
NOI18N getContentPane().add(jLabel2, new org.netbeans.lib.awtextra.AbsoluteConstraints(0, 0, 530, 420));

    pack();
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{ Create_GUI ob1=new Create_GUI();
ob1.show();
dispose();
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    ManagedGUI ob3= new ManagedGUI();
    ob3.show();
    dispose();
}

public static void main(String args[])
{
    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(GUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(GUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(GUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(GUI.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}

java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new GUI().setVisible(true);
    }
});
}

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;
// End of variables declaration
}

```

ManagedGUI:

```

package crime.detection;
public class ManagedGUI extends javax.swing.JFrame {

    public ManagedGUI() {
        initComponents();
    }

    @SuppressWarnings("unchecked")

    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jLabel2 = new javax.swing.JLabel();
        jButton3 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 18)); //
        NOI18N jLabel1.setText("Management");
    }
}

```

```

jButton1.setText("Department");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("Admin");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jLabel2.setText("Details for admin");

jButton3.setText("Main Menu");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

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(48, 48, 48)
        .addComponent(jButton1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
            javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 110,
            javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(46, 46, 46))
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()
        .addGap(142, 142, 142)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel2)
            .addComponent(jLabel1))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createSequentialGroup()
            .addGap(151, 151, 151)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addComponent(jButton3)
                    .addGap(155, 155, 155))
                .addGroup(layout.createSequentialGroup()
                    .addGap(155, 155, 155)
                    .addComponent(jLabel1)
                    .addGap(155, 155, 155))))))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(18, 18, 18)
        .addComponent(jLabel1)
    )
);

```

```

        .addGap(54, 54, 54)
        .addComponent(jLabel2)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 79, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton1)
            .addComponent(jButton2))
        .addGap(18, 18, 18)
        .addComponent(jButton3)
        .addGap(29, 29, 29))
    );
}

pack();
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{ department ob1=new department();
ob1.show();
dispose();
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
{ admin ob1=new admin();
ob1.show();
dispose();
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{ GUI ob1=new GUI();
ob1.show();
dispose();
}

public static void main(String args[]) {

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

```

```

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

java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new ManagedGUI().setVisible(true);
    }
});
}

// Variables declaration - do not modify
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;

}

```

Create_GUI:

```

package crime.detection;

public class Create_GUI extends javax.swing.JFrame {

    public Create_GUI() {
        initComponents();
    }
    @SuppressWarnings("unchecked")
    private void initComponents() {

        jLabel1 = new javax.swing.JLabel();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
        jButton3 = new javax.swing.JButton();

        setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

        jLabel1.setFont(new java.awt.Font("Segoe UI", 1, 18)); //
        NOI18N jLabel1.setText("Create Cases");

        jButton1.setText("Post a case");
        jButton1.addActionListener(new java.awt.event.ActionListener() {
            public void actionPerformed(java.awt.event.ActionEvent evt) {
                jButton1ActionPerformed(evt);
            }
        });

    }
}

```

```

    });

jButton2.setText("Victim");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("Back");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

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(44, 44, 44)
        .addComponent(jButton1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
212, Short.MAX_VALUE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 111,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(56, 56, 56))
    .addGroup(layout.createSequentialGroup()
        .addGap(205, 205, 205)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
            .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE,
108, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE,
120, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);

layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addGap(36, 36, 36)
        .addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED_SIZE, 43,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
191, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE,
43, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE,
43, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(45, 45, 45)
        .addComponent(jButton3, javax.swing.GroupLayout.PREFERRED_SIZE, 37,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(27, 27, 27))
    );
}

pack();
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{
    GUI ob1=new GUI();
    ob1.show();
    dispose();
}

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {
    User_victim ob2=new User_victim();
    ob2.show();
    dispose();
}

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt)
{
    Post_case ob3 =new Post_case();
    ob3.show();
    dispose();
}

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

```

```

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

java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new Create_GUI().setVisible(true);
    }
});
}

private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JLabel jLabel1;

}

```

Post_case :

```

package crime.detection;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import javax.swing.JOptionPane;
public class Post_case extends javax.swing.JFrame {
    public Post_case() {
        initComponents();
    }

    private void initComponents() {

        jLabel8 = new javax.swing.JLabel();
        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();
        jTextField1 = new javax.swing.JTextField();

```

```
jTextField2 = new javax.swing.JTextField();
jTextField3 = new javax.swing.JTextField();
jTextField5 = new javax.swing.JTextField();
jTextField7 = new javax.swing.JTextField();
jTextField6 = new javax.swing.JTextField();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jLabel9 = new javax.swing.JLabel();

jLabel8.setText("jLabel8");

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT_ON_CLOSE);

jLabel1.setText("Post_case");

jLabel2.setText("case_id");

jLabel3.setText("case_category");

jLabel4.setText("Location");

jLabel5.setText("didrequestforhelp");

jLabel6.setText("case_desc");

jLabel7.setText("firstname");

jButton1.setText("Insert");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("Delete");
jButton2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("Back");
jButton3.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});
```



```
        .addGap(186, 186, 186)
        .addComponent(jLabel1))
    .addGroup(layout.createSequentialGroup()
        .addGap(176, 176, 176)
        .addComponent(jButton3)))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(jLabel1)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel2)
            .addComponent(jTextField1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel3)
            .addComponent(jTextField2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel4)
            .addComponent(jTextField3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel5)
            .addComponent(jTextField7, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(6, 6, 6)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel6)
            .addComponent(jTextField5, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(7, 7, 7)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel7)
            .addComponent(jTextField6, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
47, Short.MAX_VALUE)
        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jButton1)
            .addComponent(jButton2)
```

```

        .addComponent(jLabel9))
        .addGap(18, 18, 18)
        .addComponent(jButton3)
        .addGap(21, 21, 21))
    );
    pack();
}

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
{
    Create_GUI ob5=new Create_GUI();
    ob5.show();
    dispose();
}

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

    try
    {

        DriverManager.registerDriver(new oracle.jdbc.driver.OracleDriver());

        Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE", "tarun",
        "4600");

        Statement statement = (Statement) con.createStatement();
        String query="delete from post_case where case_id
        =" + jTextField1.getText() + ""; //String sqlqry="insert into customers values()"
        java.sql.ResultSet rs = statement.executeQuery(query);

        System.out.println("Deleted ....");
        rs.close();
        statement.close();
        con.close();
        JOptionPane.showMessageDialog(this, "Deleted Succesfully");

    }

    catch(Exception e)
    {
        System.out.println(e);
    }
}

```

```

}

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

    try
    {

        DriverManager.registerDriver(new oracle.jdbc.driver.OracleDriver());

        // Connect to Oracle Database
        Connection con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:XE", "tarun",
"4600");

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

        String query= "INSERT INTO post_case VALUES(" +"""+ jTextField1.getText() +
"""+","+"""+ jTextField2.getText() +"""+","+"""+ jTextField3.getText() +","+
"""+jTextField7.getText() +"""+","+"""+jTextField5.getText()+"','"+"+"""+jTextField6.getText()+"')";

        java.sql.ResultSet rs = statement.executeQuery(query);

        System.out.println("Inserted ....");
        rs.close();
        statement.close();
        con.close();
        JOptionPane.showMessageDialog(this, "Inserted Succesfully");

    }

    catch(Exception e)
    {
        System.out.println(e);
    }

}

public static void main(String args[])
{
    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(Post_case.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(Post_case.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(Post_case.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(Post_case.class.getName()).log(java.util.logging.Level.SEVERE,
null, ex);
}

java.awt.EventQueue.invokeLater(new Runnable() {
    public void run() {
        new Post_case().setVisible(true);
    }
});
}

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.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
private javax.swing.JTextField jTextField7;
```

```
}
```

User_victim :

```
package crime.detection;  
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.Statement;  
import javax.swing.JOptionPane;  
import javax.swing.table.DefaultTableModel;  
public class User_victim extends  
javax.swing.JFrame{  
  
    public User_victim() {  
        initComponents();  
    }  
  
    private void initComponents() {  
  
        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();  
        jTextField1 = new javax.swing.JTextField();  
        jTextField2 = new javax.swing.JTextField();  
        jTextField3 = new javax.swing.JTextField();  
        jTextField4 = new javax.swing.JTextField();  
        jTextField5 = new javax.swing.JTextField();
```

```
jTextField6 = new javax.swing.JTextField();  
jButton1 = new javax.swing.JButton();  
jButton2 = new javax.swing.JButton();  
jButton3 = new javax.swing.JButton();  
jButton5 = new javax.swing.JButton();  
jButton4 = new javax.swing.JButton();  
jScrollPane1 = new javax.swing.JScrollPane();  
jTable1 = new javax.swing.JTable();
```

```
setDefaultCloseOperation(javax.swing.WindowConst  
ants.EXIT_ON_CLOSE);
```

```
jLabel1.setText("Victim");
```

```
jLabel2.setText("Firstname");
```

```
jLabel3.setText("lastname");
```

```
jLabel4.setText("phno");
```

```
jLabel5.setText("isvictim");
```

```
jLabel6.setText("incident_date");
```

```
jLabel7.setText("location");
```

```
jButton1.setText("Insert");  
jButton1.addActionListener(new
```

```
java.awt.event.ActionListener() {  
    public void  
    actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});  
  
jButton2.setText("Update");  
jButton2.addActionListener(new  
java.awt.event.ActionListener() {  
    public void  
    actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton2ActionPerformed(evt);  
    }  
});  
  
jButton3.setText("Delete");  
jButton3.addActionListener(new  
java.awt.event.ActionListener() {  
    public void  
    actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton3ActionPerformed(evt);  
    }  
});  
  
jButton5.setText("View");  
jButton5.addActionListener(new  
java.awt.event.ActionListener() {  
    public void
```

```
actionPerformed(java.awt.event.ActionEvent evt) {
    jButton5ActionPerformed(evt);
}
});

jButton4.setText("Back");
jButton4.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
    jButton4ActionPerformed(evt);
}
});
};

jTable1.setModel(new
javax.swing.table.DefaultTableModel(
new Object [][] {
},
new String [] {
    "FirstName", "LastName", "PhNo",
"isVictim", "Incident Date", "Location"
}
));
jScrollPane1.setViewportView(jTable1);

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

```
layout.setHorizontalGroup(  
  
layout.createParallelGroup(javax.swing.GroupLayout.  
Alignment.LEADING)  
    .addGroup(layout.createSequentialGroup()  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING)  
  
.addGroup(layout.createSequentialGroup()  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING)  
  
.addGroup(layout.createSequentialGroup()  
    .addGap(171, 171, 171)  
    .addComponent(jLabel1))  
  
.addGroup(layout.createSequentialGroup()  
    .addGap(62, 62, 62)  
    .addComponent(jButton1)  
    .addGap(62, 62, 62)  
  
.addGroup(layout.createParallelGroup(javax.swing.G  
roupLayout.Alignment.LEADING)  
    .addComponent(jButton4)  
  
.addGroup(layout.createSequentialGroup()  
    .addComponent(jButton2)
```

```
        .addGap(50, 50, 50)
        .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 100,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addGap(174, 174, 174)

.addComponent(jButton5)))))

.addGap(0, 182, Short.MAX_VALUE))

.addGroup(layout.createSequentialGroup()
        .addGap(19, 19, 19)

.addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.LEADING, false)
        .addComponent(jLabel7,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel2,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel4,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addComponent(jLabel3,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(jLabel5,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(jLabel6,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE))
    .addGap(44, 44, 44)

.addGroup(layout.createParallelGroup(javax.swing.
G roupLayout.Alignment.LEADING, false)
    .addComponent(jTextField2,
javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField3,
javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField4,
javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField5,
javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField6,
javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField1,
javax.swing.GroupLayout.Alignment.TRAILING,
javax.swing.GroupLayout.PREFERRED_SIZE, 203,
javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addPreferredGap(javax.swing.LayoutStyle.Compo  
ntPlacement.RELATED,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)  
    .addComponent(jScrollPane1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 497,  
javax.swing.GroupLayout.PREFERRED_SIZE))  
    .addContainerGap()  
);  
layout.setVerticalGroup(  
  
layout.createParallelGroup(javax.swing.GroupLayout.  
Alignment.LEADING)  
    .addGroup(layout.createSequentialGroup()  
        .addContainerGap()  
        .addComponent(jLabel1)  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING)  
    .addGroup(layout.createSequentialGroup()  
        .addGap(46, 46, 46)  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.TRAILING)  
    .addGroup(layout.createSequentialGroup()  
        .addComponent(jLabel4)
```

```
.addGap(72, 72, 72)
.addComponent(jLabel7,
javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(52, 52, 52))

.addGroup(layout.createSequentialGroup())

.addGroup(layout.createParallelGroup(javax.swing.
GroupLayout.Alignment.BASELINE)
.addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 23,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel2))

.addPreferredGap(javax.swing.LayoutStyle.Compon
ntPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.G
roupLayout.Alignment.BASELINE)
.addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel3))

.addPreferredGap(javax.swing.LayoutStyle.Compon
ntPlacement.RELATED)

.addComponent(jTextField3,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
  
.addPreferredGap(javax.swing.LayoutStyle.Compo  
ntPlacement.RELATED)  
  
.addGroup(layout.createParallelGroup(javax.swing.G  
roupLayout.Alignment.BASELINE)  
    .addComponent(jTextField4,  
    javax.swing.GroupLayout.PREFERRED_SIZE,  
    javax.swing.GroupLayout.DEFAULT_SIZE,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel5))  
  
.addPreferredGap(javax.swing.LayoutStyle.Compo  
ntPlacement.RELATED)  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.BASELINE)  
    .addComponent(jTextField5,  
    javax.swing.GroupLayout.PREFERRED_SIZE, 27,  
    javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel6))  
  
.addPreferredGap(javax.swing.LayoutStyle.Compo  
ntPlacement.RELATED)  
    .addComponent(jTextField6,  
    javax.swing.GroupLayout.PREFERRED_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addGap(54, 54, 54)))

.addGroup(layout.createParallelGroup(javax.swing.
G roupLayout.Alignment.BASELINE)
    .addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton2,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton3,
javax.swing.GroupLayout.PREFERRED_SIZE, 39,
javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jButton5),
    .addGap(52, 52, 52)
    .addComponent(jButton4))

.addGroup(layout.createSequentialGroup())

.addPreferredGap(javax.swing.LayoutStyle.Compone
ntPlacement.UNRELATED)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 237,
javax.swing.GroupLayout.PREFERRED_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAU
LT_SIZE, Short.MAX_VALUE))
```

```
        );  
  
        pack();  
    }  
  
    private void  
jButton3ActionPerformed(java.awt.event.ActionEvent  
evt) {  
    try  
    {  
  
        DriverManager.registerDriver(new  
oracle.jdbc.driver.OracleDriver());  
  
        Connection con =  
DriverManager.getConnection("jdbc:oracle:thin:@loc  
alhost:1521:XE", "tarun", "4600");  
  
        Statement statement = (Statement)  
con.createStatement();  
  
        String query="delete from user_victim  
where PHONENO='"+jTextField3.getText()+"';  
        //String sqlqry="insert into customers  
values()"  
        java.sql.ResultSet rs =  
statement.executeQuery(query);
```

```
        System.out.println("Deleted ....");

        rs.close();
        statement.close();
        con.close();

        JOptionPane.showMessageDialog(this,
"Deleted Succesfully");
```

```
}
```

```
    catch(Exception e)
    {
        System.out.println(e);
    }
```

```
}
```

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

```
try
```

```
{
```

```
    DriverManager.registerDriver(new
oracle.jdbc.driver.OracleDriver());
```

```
    Connection con =
```

```
DriverManager.getConnection("jdbc:oracle:thin:@loc  
alhost:1521:XE", "tarun", "4600");
```

```
Statement statement = (Statement)  
con.createStatement();
```

```
String query= "update user_victim set  
firstname='"+jTextField1.getText()+"',lastname='"+jTe  
xtField2.getText()+"',incident_date='"+jTextField5.get  
Text()+"',location='"+jTextField6.getText()+"' where  
phoneno='"+jTextField3.getText()+"'";
```

```
java.sql.ResultSet rs =  
statement.executeQuery(query);
```

```
System.out.println("Inserted .... ");  
rs.close();  
statement.close();  
con.close();
```

```
JOptionPane.showMessageDialog(this,  
"Updated Succesfully");
```

```
}
```

```
catch(Exception e)  
{  
    System.out.println(e);
```

```
        }

    }

private void
jButton4ActionPerformed(java.awt.event.ActionEvent
evt) {
    Create_GUI ob5=new Create_GUI();
    ob5.show();
    dispose();
}

private void
jButton5ActionPerformed(java.awt.event.ActionEvent
evt) {

try
{

    DriverManager.registerDriver(new
oracle.jdbc.driver.OracleDriver());

    Connection con =
    DriverManager.getConnection("jdbc:oracle:thin:@loc
alhost:1521:XE", "tarun", "4600");

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

    String query= "select * from user_victim";
    java.sql.ResultSet rs =
```

```
statement.executeQuery(query);

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

while(rs.next()){
    model.addRow(new
Object[]{rs.getString("firstname"),
rs.getString("lastname"),rs.getString("phoneno"),rs.get
String("isvivtin"),rs.getDate("incident_date"),rs.getStri
ng("location")});

}

System.out.println("Retrieved ....");
rs.close();
statement.close();
con.close()

}

catch(Exception e)
{
    System.out.println(e);
}

}

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

```
try
{
    DriverManager.registerDriver(new
oracle.jdbc.driver.OracleDriver());

Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@loc
alhost:1521:XE", "tarun", "4600");

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

String query= "INSERT INTO user_victim
VALUES(" +""+ jTextField1.getText() + ""+", "+"
+jTextField2.getText() +""+", " +jTextField3.getText()
+", "+jTextField4.getText()+""
+", "+jTextField5.getText()+", "+""+jTextField6.getTex
t()+"");
}

java.sql.ResultSet rs =
statement.executeQuery(query);

System.out.println("Inserted ....");
rs.close();
statement.close();
con.close();

JOptionPane.showMessageDialog(this,
```

```
"Inserted Succesfully");

}

catch(Exception e)
{
    System.out.println(e);
}

}

public static void main(String args[]) {
    try {
        for (javax.swing.UIManager.LookAndFeelInfo
info :
        javax.swing.UIManager.getInstalledLookAndFeels())
    {
        if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClas
sName());
            break;
        }
    }
} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(User_victim.class
 .   .   getName()).log(java.util.logging.Level.SEVERE,
null,
```

```
ex);

} catch (InstantiationException ex) {

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

} catch (IllegalAccessException ex) {

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

} catch
(javax.swing.UnsupportedLookAndFeelException ex)

{

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

}

//</editor-fold>

java.awt.EventQueue.invokeLater(new

Runnable() {

    public void run() {

        new User_victim().setVisible(true);

    }

});

}
```

```
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton5;
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.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
private javax.swing.JTextField jTextField6;
}
```

DEPARTMENT :

```
package crime.detection;
```

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;

public class department extends javax.swing.JFrame
{
    public department() {
        initComponents();
    }

    private void initComponents() {

        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();
        jTextField1 = new javax.swing.JTextField();
        jTextField2 = new javax.swing.JTextField();
        jTextField3 = new javax.swing.JTextField();
        jTextField4 = new javax.swing.JTextField();
        jTextField5 = new javax.swing.JTextField();
        jButton1 = new javax.swing.JButton();
        jButton2 = new javax.swing.JButton();
    }
}
```

```
jButton5 = new javax.swing.JButton();
jButton6 = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
jTable1 = new javax.swing.JTable();
jButton7 = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConst
ants.EXIT_ON_CLOSE);
```

```
jLabel1.setText("Dep_name");
```

```
jLabel2.setText("Deals_in");
```

```
jLabel3.setText("Rating");
```

```
jLabel4.setText("Help line number");
```

```
jLabel5.setText("ID");
```

```
jLabel6.setText("Department");
```

```
jTextField5.addActionListener(new
java.awt.event.ActionListener() {
    public void
    actionPerformed(java.awt.event.ActionEvent evt) {
        jTextField5ActionPerformed(evt);
    }
});
```

```
jButton1.setText("Insert");
jButton1.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

jButton2.setText("Update");
jButton2.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton5.setText("Delete");
jButton5.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jButton6.setText("Back");
```

```
jButton6.addActionListener(new
java.awt.event.ActionListener() {
    public void
    actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});

jTable1.setModel(new
javax.swing.table.DefaultTableModel(
    new Object [][] {
        },
    new String [] {
        "Department Name", "Deals In", "Rating ",
        "Help Line Number", "ID"
    }
) {
    Class[] types = new Class [] {
        java.lang.String.class,
        java.lang.String.class, java.lang.Integer.class,
        java.lang.Integer.class, java.lang.String.class
    };
}

public Class getColumnClass(int
columnIndex) {
    return types [columnIndex];
}
});
```

```
jScrollPane1.setViewportView(jTable1);

jButton7.setText("View");
jButton7.addActionListener(new
java.awt.event.ActionListener() {
    public void
actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
    }
});

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(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.
Grouplayout.Alignment.LEADING)
.addGroup(layout.createSequentialGroup()
.addComponent(jButton1,
javax.swing.GroupLayout.PREFERRED_SIZE, 83,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addGap(60, 60, 60)
```

```
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING)  
  
.addGroup(layout.createSequentialGroup()  
  
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addComponent(jButton6)  
        .addComponent(jLabel6))  
        .addGap(0, 0,  
Short.MAX_VALUE))  
  
.addGroup(layout.createSequentialGroup()  
        .addComponent(jButton2)  
        .addGap(45, 45, 45)  
        .addComponent(jButton5)  
  
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,  
javax.swing.GroupLayout.DEFAULT_SIZE,  
Short.MAX_VALUE)  
        .addComponent(jButton7)  
        .addGap(132, 132, 132))))  
  
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
layout.createSequentialGroup()  
        .addGap(0, 86, Short.MAX_VALUE)
```

```
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.TRAILING)
```

```
.addGroup(layout.createSequentialGroup()  
    .addComponent(jLabel5)  
    .addGap(93, 93, 93)  
    .addComponent(jTextField5,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 132,  
        javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(layout.createSequentialGroup()  
    .addComponent(jLabel4)  
    .addGap(18, 18, 18)  
    .addComponent(jTextField4,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 132,  
        javax.swing.GroupLayout.PREFERRED_SIZE))
```

```
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING, false)
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,  
layout.createSequentialGroup()  
    .addComponent(jLabel3)
```

```
.addPreferredGap(javax.swing.LayoutStyle.Compo  
ntPlacement.RELATED,  
        javax.swing.GroupLayout.DEFAULT_SIZE,  
        Short.MAX_VALUE)
```

```
    .addComponent(jTextField3,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE, 132,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(layout.createSequentialGroup()
    .addComponent(jLabel2)

.addPreferredGap(javax.swing.LayoutStyle.Compo
ntPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
    .addComponent(jTextField2,
javax.swing.GroupLayout.PREFERRED_SIZE, 132,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(layout.createSequentialGroup()
    .addComponent(jLabel1)
    .addGap(46, 46, 46)
    .addComponent(jTextField1,
javax.swing.GroupLayout.PREFERRED_SIZE, 132,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(47, 47, 47)
    .addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 364,
javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addContainerGap())
);

layout.setVerticalGroup(
layout.createParallelGroup(javax.swing.GroupLayout.
```

```
Alignment.LEADING)  
    .addGroup(layout.createSequentialGroup()  
        .addContainerGap()  
        .addComponent(jLabel6)  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING)  
  
.addGroup(layout.createSequentialGroup()  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.LEADING)  
  
.addGroup(layout.createSequentialGroup()  
    .addGap(60, 60, 60)  
  
.addGroup(layout.createParallelGroup(javax.swing.  
GroupLayout.Alignment.BASELINE)  
    .addComponent(jTextField1,  
javax.swing.GroupLayout.PREFERRED_SIZE, 27,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
    .addComponent(jLabel1))  
    .addGap(6, 6, 6)  
  
.addGroup(layout.createParallelGroup(javax.swing.G  
roupLayout.Alignment.BASELINE)  
    .addComponent(jTextField2,  
javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE,
```

```
javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(jLabel2))  
        .addGap(18, 18, 18)  
  
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(jTextField3,  
        javax.swing.GroupLayout.PREFERRED_SIZE,  
        javax.swing.GroupLayout.DEFAULT_SIZE,  
        javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(jLabel3))  
        .addGap(18, 18, 18)  
  
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(jLabel4)  
        .addComponent(jTextField4,  
        javax.swing.GroupLayout.PREFERRED_SIZE, 29,  
        javax.swing.GroupLayout.PREFERRED_SIZE))  
        .addGap(18, 18, 18)  
  
.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addComponent(jLabel5)  
        .addComponent(jTextField5,  
        javax.swing.GroupLayout.PREFERRED_SIZE,  
        javax.swing.GroupLayout.DEFAULT_SIZE,  
        javax.swing.GroupLayout.PREFERRED_SIZE)))
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
    LING, layout.createSequentialGroup()
        .addGap(19, 19, 19)
        .addComponent(jScrollPane1,
    javax.swing.GroupLayout.PREFERRED_SIZE, 244,
    javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGap(70, 70, 70)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jButton5)
        .addComponent(jButton2)
        .addComponent(jButton1))
    .addGap(18, 18, 18))

    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING,
    LING, layout.createSequentialGroup()
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(jButton7)
        .addGap(45, 45, 45)))
    .addComponent(jButton6)

    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE,
    Short.MAX_VALUE))
);

pack();
```

```
// </editor-fold>

private void
jButton2ActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code
    here: try
    {
        // Load Oracle JDBC Driver
        DriverManager.registerDriver(new
oracle.jdbc.driver.OracleDriver());

        // Connect to Oracle Database
        Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@loc
alhost:1521:XE", "tarun", "4600");

        Statement statement = (Statement)
con.createStatement();
        // Execute a SELECT query on Oracle
        Dummy DUAL Table. Useful for retrieving
        system values
        // Enables us to retrieve values as if
        querying from a table
        String query= "update department set
dep_name='"+jTextField1.getText()+"',deals_in='"+'+
jTextField2.getText()+"',rating='"+jTextField3.getText()
+"',helpline='"+jTextField4.getText()+"'where
id='"+'+jTextField5.getText()+'';
```

```
//String sqlqry="insert into customers  
values()  
  
        java.sql.ResultSet rs =  
        statement.executeQuery(query);  
  
        System.out.println("Update ....");  
        rs.close();  
        statement.close();  
        con.close();  
        JOptionPane.showMessageDialog(this,  
"Updated Succesfully");  
  
    }  
  
    catch(Exception e)  
    {  
        System.out.println(e);  
        // TODO add your handling code  
here:w  
  
    }  
  
    private void  
jButton1ActionPerformed(java.awt.event.ActionEvent  
evt) {  
    try
```

```
{  
    // Load Oracle JDBC Driver  
    DriverManager.registerDriver(new  
        oracle.jdbc.driver.OracleDriver());  
  
    // Connect to Oracle Database  
    Connection con =  
        DriverManager.getConnection("jdbc:oracle:thin:@loc  
alhost:1521:XE", "tarun", "4600");  
  
    Statement statement = (Statement)  
        con.createStatement();  
  
    // Execute a SELECT query on Oracle  
    Dummy DUAL Table. Useful for retrieving  
    system values  
  
    // Enables us to retrieve values as if  
    querying from a table  
  
    String query= "INSERT INTO department  
VALUES(" +"""+ jTextField1.getText() + """+","+"""  
+jTextField2.getText() + """+"," +jTextField3.getText()  
+"," +jTextField4.getText()  
+"," +jTextField5.getText()+"");  
  
    //String sqlqry="insert into customers  
values()"  
  
    java.sql.ResultSet rs =  
        statement.executeQuery(query);  
  
    System.out.println("Inserted ....");  
    rs.close();
```

```
        statement.close();

        con.close();

        JOptionPane.showMessageDialog(this,
"Inserted Succesfully");

    }

    catch(Exception e)
    {
        System.out.println(e);
        // TODO add your handling code
    }
here:w
```

```
}
```



```
private void
jButton6ActionPerformed(java.awt.event.ActionEvent
evt) {
    ManagedGUI ob4 = new ManagedGUI();
    ob4.show();
    dispose();
}

private void
jButton5ActionPerformed(java.awt.event.ActionEvent
evt) {
    // TODO add your handling code here:
}
```

```
try
{
    // Load Oracle JDBC Driver
    DriverManager.registerDriver(new
        oracle.jdbc.driver.OracleDriver());

    // Connect to Oracle Database
    Connection con =
        DriverManager.getConnection("jdbc:oracle:thin:@loc
alhost:1521:XE", "tarun", "4600");

    Statement statement = (Statement)
        con.createStatement();
    // Execute a SELECT query on Oracle
    Dummy DUAL Table. Useful for retrieving
    system values
    // Enables us to retrieve values as if
    querying from a table
    String query= " delete from department
where id='"+jTextField5.getText()+"'";
    //String sqlqry="insert into customers
values()"
    java.sql.ResultSet rs =
        statement.executeQuery(query);

    System.out.println("Deleted....");
    rs.close();
    statement.close();
    con.close();
}
```

```
        JOptionPane.showMessageDialog(this,  
"Deleted Succesfully");
```

```
}
```

```
    catch(Exception e)  
{  
    System.out.println(e);  
    }// TODO add your handling code
```

here:w

```
}
```

```
private void  
jButton7ActionPerformed(java.awt.event.ActionEvent  
evt) {  
    try  
    {  
        // Load Oracle JDBC Driver  
        DriverManager.registerDriver(new  
oracle.jdbc.driver.OracleDriver());
```

```
        // Connect to Oracle Database  
        Connection con =  
DriverManager.getConnection("jdbc:oracle:thin:@loc  
alhost:1521:XE", "tarun", "4600");
```

```
Statement statement = (Statement)
con.createStatement();

// Execute a SELECT query on Oracle

Dummy DUAL Table. Useful for retrieving
system values

// Enables us to retrieve values as if
querying from a table

String query= "select * from department";
//String sqlqry="insert into customers
values()"

java.sql.ResultSet rs =
statement.executeQuery(query);

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

while(rs.next()){
    model.addRow(new
Object[]{rs.getString("dep_name"),
rs.getString("deals_in"),rs.getString("rating"),rs.getStri
ng("helpline"),rs.getString("id")});

}

System.out.println("Retrieved ....");
rs.close();
statement.close();
con.close();
```

```
}

    catch(Exception e)

    {

        System.out.println(e);

    }// TODO add your handling code
```

here:w

```
}

private void

jTextField5ActionPerformed(java.awt.event.ActionEvent

ent evt) {

    // TODO add your handling code here:

}

/** *

 * @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(department.class.  
getName()).log(java.util.logging.Level.SEVERE, null,  
ex);  
} catch (InstantiationException ex) {  
  
java.util.logging.Logger.getLogger(department.class.  
getName()).log(java.util.logging.Level.SEVERE, null,  
ex);  
} catch (IllegalAccessException ex) {  
  
java.util.logging.Logger.getLogger(department.class.  
getName()).log(java.util.logging.Level.SEVERE, null,  
ex);  
} catch
```

```
(javax.swing.UnsupportedLookAndFeelException ex)
{
    java.util.logging.Logger.getLogger(department.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 department().setVisible(true);
    }
});

}

// Variables declaration - do not modify
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton5;
private javax.swing.JButton jButton6;
private javax.swing.JButton jButton7;
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.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
private javax.swing.JTextField jTextField1;
private javax.swing.JTextField jTextField2;
private javax.swing.JTextField jTextField3;
private javax.swing.JTextField jTextField4;
private javax.swing.JTextField jTextField5;
// End of variables declaration
}
```

ADMIN :

```
package crime.detection;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
import javax.swing.JFrame;
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
```

```
public class admin extends javax.swing.JFrame {
```

```
    public admin() {
        initComponents();
    }
```

```
    private void initComponents() {
```

```
jLabel1 = new javax.swing.JLabel();
jTextField1 = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
jTextField2 = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jTextField3 = new javax.swing.JTextField();
jTextField4 = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jButton2 = new javax.swing.JButton();
jButton3 = new javax.swing.JButton();
jButton4 = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
jTable1 = new javax.swing.JTable();
jButton6 = new javax.swing.JButton();
```

```
setDefaultCloseOperation(javax.swing.WindowConst
ants.EXIT_ON_CLOSE);
```

```
jLabel1.setText("ID");
```

```
jLabel2.setText("NAME");
```

```
jTextField2.addActionListener(new
java.awt.event.ActionListener() {
    public void
```

```
actionPerformed(java.awt.event.ActionEvent evt) {  
    jTextField2ActionPerformed(evt);  
}  
});
```

```
jLabel3.setText("ROLE");
```

```
jLabel4.setText("DEPT_NAME");
```

```
jTextField3.addActionListener(new  
java.awt.event.ActionListener() {  
    public void  
actionPerformed(java.awt.event.ActionEvent evt) {  
    jTextField3ActionPerformed(evt);  
}  
});
```

```
jLabel5.setText("ADMIN");
```

```
jButton1.setText("Insert");  
jButton1.addActionListener(new  
java.awt.event.ActionListener() {  
    public void  
actionPerformed(java.awt.event.ActionEvent evt) {  
    jButton1ActionPerformed(evt);  
}  
});
```

```
jButton2.setText("Update");
```

```
jButton2.addActionListener(new
java.awt.event.ActionListener() {
    public void
    actionPerformed(java.awt.event.ActionEvent evt) {
        jButton2ActionPerformed(evt);
    }
});

jButton3.setText("Delete");
jButton3.addActionListener(new
java.awt.event.ActionListener() {
    public void
    actionPerformed(java.awt.event.ActionEvent evt) {
        jButton3ActionPerformed(evt);
    }
});

jButton4.setText("Back");
jButton4.addActionListener(new
java.awt.event.ActionListener() {
    public void
    actionPerformed(java.awt.event.ActionEvent evt) {
        jButton4ActionPerformed(evt);
    }
});

jTable1.setModel(new
javax.swing.table.DefaultTableModel(
    new Object [][] {
```

```
        },  
        new String [] {  
            "Id", "Name", "Role", "Dept_name"  
        }  
    ) {  
        Class[] types = new Class [] {  
            java.lang.String.class,  
            java.lang.String.class, java.lang.String.class,  
            java.lang.Object.class  
        };  
  
        public Class getColumnClass(int  
columnIndex) {  
            return types [columnIndex];  
        }  
    });  
    jScrollPane1.setViewportView(jTable1);  
  
    jButton6.setText("View");  
    jButton6.addActionListener(new  
java.awt.event.ActionListener() {  
        public void  
actionPerformed(java.awt.event.ActionEvent evt) {  
            jButton6ActionPerformed(evt);  
        }  
    });  
  
    javax.swing.GroupLayout layout = new
```



```
javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.
G roupLayout.Alignment.LEADING, false)
.addComponent(jTextField1,
javax.swing.GroupLayout.DEFAULT_SIZE, 212,
Short.MAX_VALUE)
.addComponent(jTextField2)
.addComponent(jTextField3)
.addComponent(jTextField4))
.addGap(521, 521, 521))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.
G roupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()
.addGap(202, 202, 202)
.addComponent(jLabel5)

.addPreferredGap(javax.swing.LayoutStyle.Compone
ntPlacement.RELATED, 124, Short.MAX_VALUE)
.addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE))

.addGroup(layout.createSequentialGroup())
```



```
roupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()
    .addContainerGap()
    .addComponent(jLabel5)
    .addGap(38, 38, 38)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
    .addComponent(jTextField1,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel1))
    .addGap(25, 25, 25)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField2,
        javax.swing.GroupLayout.PREFERRED_SIZE,
        javax.swing.GroupLayout.DEFAULT_SIZE,
        javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel2))
    .addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jTextField3,
        javax.swing.GroupLayout.PREFERRED_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel3))
.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jTextField4,
javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel4)))

.addGroup(layout.createSequentialGroup()
.addGap(23, 23, 23)
.addComponent(jScrollPane1,
javax.swing.GroupLayout.PREFERRED_SIZE, 243,
javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(37, 37, 37)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jButton2)
.addComponent(jButton3)
.addComponent(jButton1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 31, Short.MAX_VALUE))
```

```
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING)
LING, layout.createSequentialGroup()
    .addGap(0, 0, Short.MAX_VALUE)
    .addComponent(jButton6)
    .addGap(21, 21, 21)))
    .addComponent(jButton4)
    .addGap(15, 15, 15))
);

pack();
}

private void
jTextField2ActionPerformed(java.awt.event.ActionEvent
ent evt) {

}

private void
jTextField3ActionPerformed(java.awt.event.ActionEvent
ent evt) {

}

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

```
DriverManager.registerDriver(new  
oracle.jdbc.driver.OracleDriver());  
  
Connection con =  
DriverManager.getConnection("jdbc:oracle:thin:@loc  
alhost:1521:XE", "tarun", "4600");  
  
Statement statement = (Statement)  
con.createStatement();  
  
String query= "INSERT INTO ADMIN  
VALUES(" +"""+ jTextField1.getText() + ","+ """  
+jTextField2.getText() +"",""+ """+jTextField3.getText()  
+"",""+ """+jTextField4.getText() +"");  
"  
ResultSet rs =  
statement.executeQuery(query);  
  
System.out.println("Inserted .... ");  
rs.close();  
statement.close();  
con.close();  
JOptionPane.showMessageDialog(this,  
"Inserted Succesfully");
```

```
}

        catch(Exception e)

        {

            System.out.println(e);

        }

    }

private void

jButton2ActionPerformed(java.awt.event.ActionEvent

evt) {

try

{

    r      DriverManager.registerDriver(new

oracle.jdbc.driver.OracleDriver());

Connection con =


DriverManager.getConnection("jdbc:oracle:thin:@loc

alhost:1521:XE", "tarun", "4600");

Statement statement = (Statement)

con.createStatement();

String query="update admin set name

=" + jTextField2.getText() + "",role

=" + jTextField3.getText() + "",dept_name

=" + jTextField4.getText() + " where id=

" + jTextField1.getText() + "";
```

```
//String sqlqry="insert into customers
values()"
ResultSet rs =
statement.executeQuery(query);

System.out.println("UPDATED ...");
rs.close();
statement.close();
con.close();
JOptionPane.showMessageDialog(this,
"Updated Succesfully");

}

catch(Exception e)
{
    System.out.println(e);
// TODO add your handling code here:
}

private void
jButton3ActionPerformed(java.awt.event.ActionEvent
evt) {
try
{
// Load Oracle JDBC Driver
DriverManager.registerDriver(new
```

```
oracle.jdbc.driver.OracleDriver());\n\n    // Connect to Oracle Database\n    Connection con =\n        DriverManager.getConnection("jdbc:oracle:thin:@loc\nalhost:1521:XE", "tarun", "4600");\n\n    Statement statement = (Statement)\n    con.createStatement();\n\n    String query = "DELETE from Admin where\nid = " + jTextField1.getText() + """;\n    ResultSet rs =\n    statement.executeQuery(query);\n\n    JOptionPane.showMessageDialog(new\nJFrame(), "Deleted Successfully", "INFORMATION",\nJOptionPane.INFORMATION_MESSAGE);\n\n    System.out.println("DELETED ....");\n    rs.close();\n    statement.close();\n    con.close();\n\n    JOptionPane.showMessageDialog(this,\n"Deleted Succesfully");\n}\n
```

```
        catch(Exception e)
    {
        System.out.println(e);
    }
}

private void
jButton4ActionPerformed(java.awt.event.ActionEvent
evt) {
    ManagedGUI ob4 = new ManagedGUI();
    ob4.show();
    dispose();
}

private void
jButton6ActionPerformed(java.awt.event.ActionEvent
evt) {
    try
    {
        // Load Oracle JDBC Driver
        DriverManager.registerDriver(new
oracle.jdbc.driver.OracleDriver());

        Connection con =
DriverManager.getConnection("jdbc:oracle:thin:@loc
alhost:1521:XE", "tarun", "4600");

        Statement statement = (Statement)
```

```
con.createStatement();

String query= "select * from admin";

java.sql.ResultSet rs =
statement.executeQuery(query);

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

while(rs.next()){
    model.addRow(new
Object[]{rs.getString("id"),
rs.getString("name"),rs.getString("role"),rs.getString(
"dept_name")});

}

System.out.println("Retrived ....");
rs.close();
statement.close();
con.close();

}

catch(Exception e)
{
    System.out.println(e);
}
```

```
}

public static void main(String args[]) {

    try {
        for (javax.swing.UIManager.LookAndFeelInfo
info :
        javax.swing.UIManager.getInstalledLookAndFeels())
    {
        if ("Nimbus".equals(info.getName())) {

            javax.swing.UIManager.setLookAndFeel(info.getClas
sName());
            break;
        }
    }

    } catch (ClassNotFoundException ex) {

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

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

        java.util.logging.Logger.getLogger(admin.class.getNa
me()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}
```

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

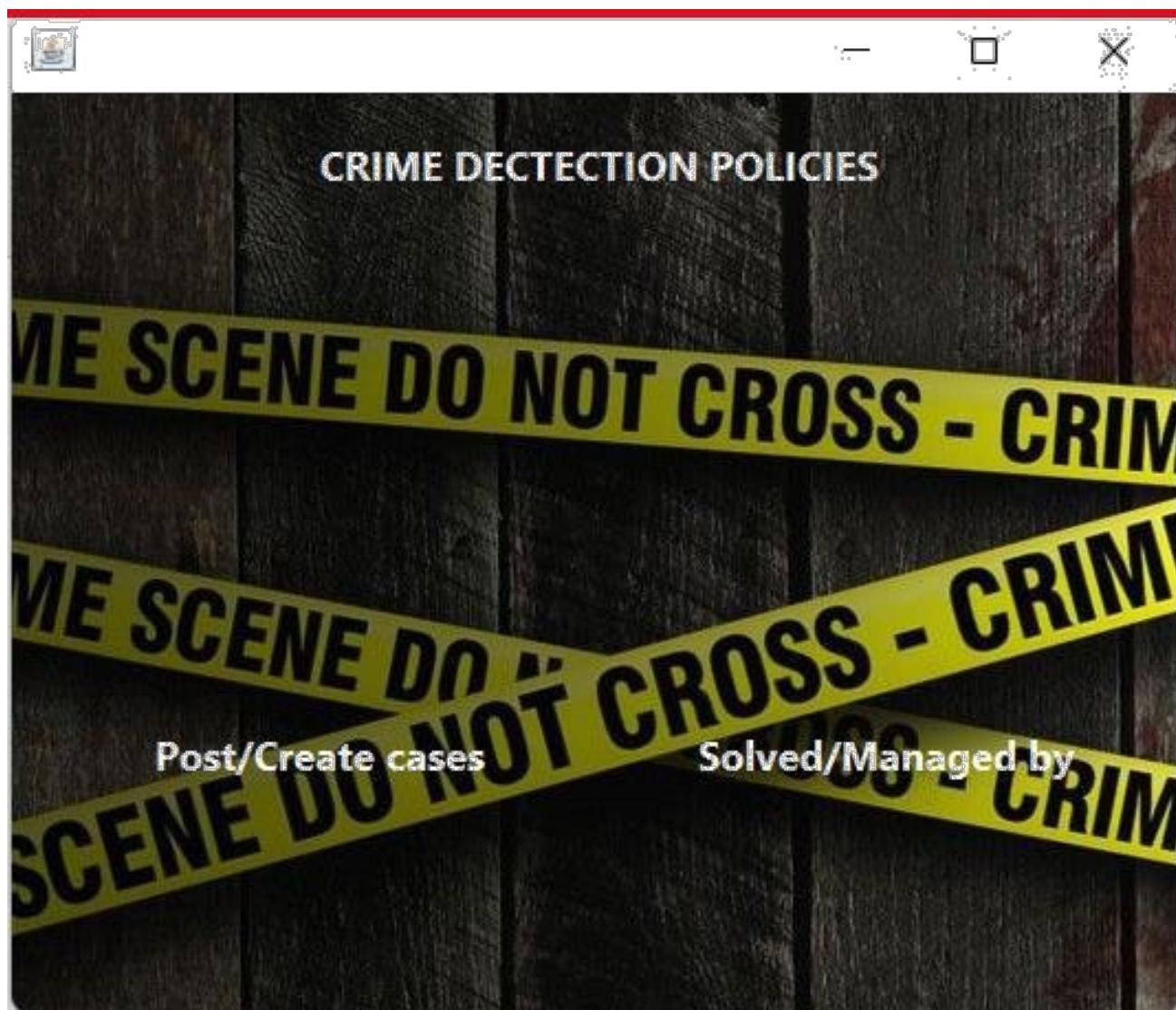
java.awt.EventQueue.invokeLater(new
Runnable() {
    public void run() {
        new admin().setVisible(true);
    }
});
}

private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
private javax.swing.JButton jButton6;
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.JScrollPane jScrollPane1;
private javax.swing.JTable jTable1;
```

```
private javax.swing.JTextField jTextField1;  
private javax.swing.JTextField jTextField2;  
private javax.swing.JTextField jTextField3;  
private javax.swing.JTextField jTextField4;  
  
}
```

TESTING:

OUTPUT SCREENSHOTS:





— □ ×

Create Cases

Post a case

Victim

Back

Post_case

case_id	<input type="text" value="1"/>
case_category	<input type="text" value="crime"/>
Location	<input type="text"/>
didrequestforhelp	<input type="text"/>
case_desc	<input type="text"/>
firstname	<input type="text"/>

Message X

 Inserted Succesfully

OK

Insert Delete (Enter only Case_id to Delete)

Back

Victim

	FirstName	LastName	PhNo	isVictim	Incident Date	Location
Firstname	Thinnaveli					
lastname	Deva					
phno	8008201865					
isvictim	yes					
incident_date	23-oct-2022					
location	ramnagundam					

Message



Inserted Succesfully

OK

Buttons: Insert, Update, Delete, View, Back

Victim

	FirstName	LastName	PhNo	isVictim	Incident Date	Location
Firstname	Thinnaveli	Deva	8008201865	yes	2022-10-23	ramnagun...
lastname						
phno						
isvictim						
incident_date						
location						

Buttons: Insert, Update, Delete, View, Back

Department

Departm...	Deals In	Rating	Help Line...	ID
Police	Kidnaping	4	100	A555

Dep_name: CIS
Deals_in: Cyber crimes
Rating: 4.5
Help line number: 04023343
ID: A543

View

Insert **Update** **Delete**

Back

Department

Departm...	Deals In	Rating	Help Line...	ID
Police	Kidnaping	4	100	A555

Dep_name: CIS
Deals_in: Cyber crimes
Rating: 4.5
Help line number: 04023343
ID: A543

Message

Inserted Succesfully

OK

View

Insert **Update** **Delete**

Back

Department

Dep_name	<input type="text" value="CIB"/>
Deals_in	<input type="text" value="Cyber"/>
Rating	<input type="text" value="5"/>
Help line number	<input type="text" value="0433211"/>
ID	<input type="text" value="A543"/>

Message X

 Updated Succesfully

OK

View

Insert Update Delete

Back

Department

Dep_name	<input type="text"/>
Deals_in	<input type="text"/>
Rating	<input type="text"/>
Help line number	<input type="text"/>
ID	<input type="text"/>

View

Insert Update Delete

Back

Department

Departm...	Deals In	Rating	Help Line...	ID
Police	Kidnaping	4	100	A555
CID	robbery	5	40245678	A124
CIB	Cyber	5	433211	A543

Dep_name: CIB
Deals_in: Cyber
Rating: 5
Help line number: 433211
ID: A543

Message X

i Deleted Succesfully OK

View

Insert Update Delete

Back

Department

Departm...	Deals In	Rating	Help Line...	ID
Police	Kidnaping	4	100	A555
CID	robbery	5	40245678	A124

Dep_name:
Deals_in:
Rating:
Help line number:
ID:

View

Insert Update Delete

Back

```
Run SQL Command Line
SQL> select * from department;
DEP_NAME DEALS_IN RATING HELPLINE_ID
Police     Kidnapping      4      100 A555
CID        robbery         5      40245678 A124
SQL>
```

ADMIN

ID	Name	Role	Dept_name
A555	Arjun	Inspector	Police

Message

Inserted Successfully

OK

SQL> select * from admin;

ID	NAME	ROLE	DEPT_NAME
A555	Rohit	Officer	Police
A555	Arjun	Inspector	Police

SQL>

ADMIN

ID	Name	Role	Dept_name
A124	Rohan	Officer	Police
A124	Thiru	Staff	CID
A555	Arjun	Inspector	Police

Message

Updated Succesfully

OK

View

Insert **Update** **Delete** **Back**

Run SQL Command Line

```
SQL> select * from admin;
```

ID	NAME	ROLE	DEPT_NAME
A555	Rohit	Officer	Police
A124	Thiru	Staff	CID
A555	Arjun	Inspector	Police

```
SQL> select * from admin;
```

ID	NAME	ROLE	DEPT_NAME
A555	Rohit	Officer	Police
A124	Rohan	Officer	CID
A555	Arjun	Inspector	Police

```
SQL>
```

ADMIN

ID	Name	Role	Dept_name
A124	Rohan	Officer	Police
A124	Thiru	Staff	CID
A555	Arjun	Inspector	Police

INFORMATION

Deleted Successfully

OK

View

Insert **Update** **Delete** **Back**

DATABASE OUTPUTS:

Run SQL Command Line

```
SQL> select * from admin;
```

ID	NAME	ROLE	DEPT_NAME
A555	Rohit	Officer	Police
A555	Arjun	Inspector	Police

```
SQL> select * from department;
```

DEP_NAME	DEALS_IN	RATING	HELPLINE_ID
Police	Kidnaping	4	100 A555
CID	robbery	5	40245678 A124

```
SQL> select * from post_case;
```

CASE_ID	CASE_CATEG	LOCATION	DIDRE	CASE_DESC	FIRSTNAME
1	crime	hyderabad	yes	kidnap	bajjuri

```
SQL> select * from user_victim;
```

FIRSTNAME	LASTNAME	PHONE NO	ISVIV	INCIDENT_DATE	LOCATION
Thinnaveli	Deva	8008201865	yes	23-OCT-22	ramnagundam

```
SQL>
```

Result:

I have successfully completed the mini-project “Crime detection policies”.

DISCUSSION AND FUTURE WORK

This project contains the min data required for any department to solve any case , in future Work we can also add about the total of the cases and enlist the various categories of the Case which have been divided based on the crime done .

REFERENCES:

1. Abraham Silberschatz, Henry F Korth, S. Sudarshan, Database System Concepts, 6th Edition, McGraw-Hill International Edition, 2010.
2. https://docs.oracle.com/cd/E11882_01/server.112/e40540/intro.htm#CNCPT001

