

Employee Management System

Abstract:

This report includes a development presentation of an information system for managing the staff data within a small company or organization. The system as such as it has been developed is called Employee Management System. It consists of functionally related GUI (application program) and database. This program stores all the employee's information in a database. It is an application developed in Java GUI technology and database used is SQL. It contains employee information like employee id, first name, surname, and age. It is an easy-to-use application and has a user-friendly interface. It is totally built at the administrative end which means that only the admin has access rights to change or modify any records. So, this makes it safe and reliable application to use. The main aim of developing this application was to reduce the errors that occur in the manual system. One can search the details easily by just entering employee id. In earlier systems, there was not such a facility to do so. All the details are stored in an SQL database. It is easy to update any employee details. All the employee records are integrated and so this makes it user-friendly and easy to use application.

Proposed system:

Employee information system is easy to use application which is created to manage the employee data. It is created to record the details of the employees. This reduces the dependency on the manual system which could create errors. This system can easily help in tracking employee records. There is a search feature which allows getting records of a specific employee. There is an administrator which can add, edit, delete and save records in a database.

Modules:

- **Register module:** This module is used for the new employee where he or she can register themselves and get their id.
- **Login module:** This module is created for login details of admin.
- **Manage employee module:** This module enables admin to add and edit employee records. It is also for viewing the each and every employee detail by the admin.
- **Delete module:** This module is created to delete any employee details.
- **Search module:** This module is an added feature in this system which enables to search employee records easily using employee id.

Database connection code:

```
package Employeee;
```

```
import java.sql.*;
```

```
public class conn{
```

```
    public Connection c;
```

```
    public Statement s;
```

```
    public conn(){
```

```
        try{
```

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

```
            c
```

```
            DriverManager.getConnection("jdbc:mysql:///project3","root","");
```

```
            s = c.createStatement();
```

```
        }catch(Exception e) {
```

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

```
        }
```

```
    }
```

```
}
```

Login code:

```
package Employeee;

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

class login implements ActionListener{

    JFrame f;
    JLabel l1,l2;
    JTextField t1;
    JPasswordField t2;
    JButton b1,b2;

    login(){

        f=new JFrame("Login");

        f.setBackground(Color.white);
        f.setLayout(null);

        l1 = new JLabel("Username");
        l1.setBounds(40,20,100,30);
        f.add(l1);

        l2 = new JLabel("Password");
        l2.setBounds(40,70,100,30);
        f.add(l2);

        t1=new JTextField();
        t1.setBounds(150,20,150,30);
        f.add(t1);
```

```
t2=new JPasswordField();
t2.setBounds(150,70,150,30);
f.add(t2);

ImageIcon i1 = new
ImageIcon(ClassLoader.getResource("Employeee/icons/login
.jpg"));
Image i2 =
i1.getImage().getScaledInstance(150,150,Image.SCALE_DEFAULT
);
ImageIcon i3 = new ImageIcon(i2);
JLabel l3 = new JLabel(i3);
l3.setBounds(350,20,150,150);
f.add(l3);

b1 = new JButton("Login");
b1.setBounds(40,140,120,30);
b1.setFont(new Font("serif",Font.BOLD,15));
b1.addActionListener(this);
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
f.add(b1);

b2=new JButton("Cancel");
b2.setBounds(180,140,120,30);
b2.setFont(new Font("serif",Font.BOLD,15));
b2.setBackground(Color.BLACK);
b2.setForeground(Color.WHITE);
f.add(b2);

b2.addActionListener(this);

f.getContentPane().setBackground(Color.WHITE);

f.setVisible(true);
```

```
f.setSize(600,300);
f.setLocation(400,300);

}

public void actionPerformed(ActionEvent ae){

    try{
        conn c1 = new conn();
        String u = t1.getText();
        String v = t2.getText();

        String q = "select * from login where username='"+u+"' and
password='"+v+"'";

        ResultSet rs = c1.s.executeQuery(q);
        if(rs.next()){
            new details().f.setVisible(true);
            f.setVisible(false);
        }else{
            JOptionPane.showMessageDialog(null, "Invalid login");
            f.setVisible(false);
        }
    }catch(Exception e){
        e.printStackTrace();
    }
}

public static void main(String[] arg){
    login l=new login();
}
}
```

Details Code:

```
package Employeee;
```

```
import java.awt.*;
```

```
import javax.swing.*;
```

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

```
class details implements ActionListener{
```

```
    JFrame f;
```

```
    JLabel l1,l2;
```

```
    JButton b1,b2,b3,b4;
```

```
    details(){
```

```
        f=new JFrame("Employee Detail");
```

```
        f.setBackground(Color.white);
```

```
        f.setLayout(null);
```

```
        l1 = new JLabel();
```

```
        l1.setBounds(0,0,700,500);
```

```
        l1.setLayout(null);
```

```
        ImageIcon i1 = new
```

```
ImageIcon(ClassLoader.getResource("Employeee/icons/details.jpg"));
```

```
        l1.setIcon(i1);
```

```
        f.add(l1);
```

```
        l2 = new JLabel("Employee Details");
```

```
        l2.setBounds(430,20,200,40);
```

```
        l2.setFont(new Font("serif",Font.BOLD,25));
```

```
        l2.setForeground(Color.black);
```

```
        l1.add(l2);
```

```
        b1=new JButton("Add");
```

```
        b1.setBounds(420,80,100,40);
```

```
        b1.setFont(new Font("serif",Font.BOLD,15));
        b1.addActionListener(this);
        l1.add(b1);

        b2=new JButton("View");
        b2.setBounds(530,80,100,40);
        b2.setFont(new Font("serif",Font.BOLD,15));
        b2.addActionListener(this);
        l1.add(b2);

        b3=new JButton("Remove");
        b3.setBounds(420,140,100,40);
        b3.setFont(new Font("serif",Font.BOLD,15));
        b3.addActionListener(this);
        l1.add(b3);

        b4=new JButton("Update");
        b4.setBounds(530,140,100,40);
        b4.setFont(new Font("serif",Font.BOLD,15));
        b4.addActionListener(this);
        l1.add(b4);

        f.setVisible(true);
        f.setSize(700,500);
        f.setLocation(450,200);

    }

    public void actionPerformed(ActionEvent ae){
        if(ae.getSource()==b1){
            f.setVisible(false);
            new Add_Employee();
        }
        if(ae.getSource()==b2){
            f.setVisible(false);
```

```
        new View_Employee();
    }
    if(ae.getSource()==b3){
        f.setVisible(false);
        new Remove_Employee();
    }
    if(ae.getSource()==b4){
        f.setVisible(false);
        new Search_Employee();
    }
}

public static void main(String[ ] arg){
    details d = new details();
}
}
```

Update Employee Code:

```
package Employeee;

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

class Update_Employee extends Add_Employee implements
ActionListener{

    JFrame f;
    JLabel
id,id1,id2,id3,id4,id5,id6,id7,id8,id9,id10,id11,id12,id15,lab,lab1;
    JTextField t,t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11;
    JButton b,b1,b2,b3;
    String id_emp;

    Update_Employee(String idaa){
        super(0);
```



```
f=new JFrame("update Employee details");
f.setVisible(true);
f.setSize(900,500);
f.setLocation(450,250);
f.setBackground(Color.white);
f.setLayout(null);

id_emp=idaa;
id15=new JLabel();
id15.setBounds(0,0,900,500);
id15.setLayout(null);
ImageIcon img=new
ImageIcon(ClassLoader.getResource("Employeee/icons/add_
employee.jpg"));
id15.setIcon(img);

id8 = new JLabel("Update Employee Detail:");
id8.setBounds(50,10,500,50);
id8.setFont(new Font("serif",Font.ITALIC,40));
id8.setForeground(Color.black);
id15.add(id8);
f.add(id15);

id1 = new JLabel("Name:");
id1.setBounds(50,100,100,30);
id1.setFont(new Font("serif",Font.BOLD,20));
id15.add(id1);

t1=new JTextField();
t1.setBounds(200,100,150,30);
id15.add(t1);

id2 = new JLabel("Father's Name:");
id2.setBounds(400,100,200,30);
id2.setFont(new Font("serif",Font.BOLD,20));
```

```
id15.add(id2);
```

```
t2=new JTextField();  
t2.setBounds(600,100,150,30);  
id15.add(t2);
```

```
id3= new JLabel("Address:");  
id3.setBounds(50,150,100,30);  
id3.setFont(new Font("serif",Font.BOLD,20));  
id15.add(id3);
```

```
t3=new JTextField();  
t3.setBounds(200,150,150,30);  
id15.add(t3);
```

```
id4= new JLabel("Mobile No:");  
id4.setBounds(400,150,100,30);  
id4.setFont(new Font("serif",Font.BOLD,20));  
id15.add(id4);
```

```
t4=new JTextField();  
t4.setBounds(600,150,150,30);  
id15.add(t4);
```

```
id5= new JLabel("Email Id:");  
id5.setBounds(50,200,100,30);  
id5.setFont(new Font("serif",Font.BOLD,20));  
id15.add(id5);
```

```
t5=new JTextField();  
t5.setBounds(200,200,150,30);  
id15.add(t5);
```

```
id6= new JLabel("Education:");  
id6.setBounds(400,200,100,30);  
id6.setFont(new Font("serif",Font.BOLD,20));
```

```
id15.add(id6);
```

```
t6=new JTextField();  
t6.setBounds(600,200,150,30);  
id15.add(t6);
```

```
id7= new JLabel("Job Post:");  
id7.setBounds(50,250,100,30);  
id7.setFont(new Font("serif",Font.BOLD,20));  
id15.add(id7);
```

```
t7=new JTextField();  
t7.setBounds(200,250,150,30);  
id15.add(t7);
```

```
id9= new JLabel("Cnic no:");  
id9.setBounds(400,250,100,30);  
id9.setFont(new Font("serif",Font.BOLD,20));  
id15.add(id9);
```

```
t8=new JTextField();  
t8.setBounds(600,250,150,30);  
id15.add(t8);
```

```
id10= new JLabel("Employee Id:");  
id10.setBounds(50,300,150,30);  
id10.setFont(new Font("serif",Font.BOLD,20));  
id15.add(id10);  
f.setVisible(false);  
t9=new JTextField();  
t9.setBounds(200,300,150,30);  
id15.add(t9);
```

```
b=new JButton("update");  
b.setBounds(250,400,100,30);  
b.addActionListener(this);
```

```
id15.add(b);
```

```
b1=new JButton("Cancel");  
b1.setBounds(450,400,100,30);  
b1.addActionListener(this);  
id15.add(b1);
```

```
showData(idaa);  
}
```

```
int i=0;  
String age,dat;
```

```
void showData(String s){  
    try{  
        conn con = new conn();  
        String str = "select * from employee where emp_id =  
        '"+s+"'";  
        ResultSet rs = con.s.executeQuery(str);  
  
        if(rs.next()){  
            f.setVisible(true);  
            i=1;  
  
            t1.setText(rs.getString(1));  
            t2.setText(rs.getString(2));  
            t3.setText(rs.getString(5));  
            t4.setText(rs.getString(6));  
            t5.setText(rs.getString(7));  
            t6.setText(rs.getString(8));  
            t7.setText(rs.getString(9));  
            t8.setText(rs.getString(10));  
            t9.setText(rs.getString(11));  
  
            age=rs.getString(3);  
            dat=rs.getString(4);
```

```
        }  
        if(i==0)  
            JOptionPane.showMessageDialog(null,"Id not found");  
        new Search_Employee();  
    }catch(Exception ex){ }  
    f.setVisible(true);  
    f.setSize(900,500);  
    f.setLocation(400,100);  
}  
  
public void actionPerformed(ActionEvent ae){  
    if(ae.getSource()==b && i==1){  
        try{  
            conn con = new conn();  
            String str = "update employee set  
name='"+t1.getText()+"',fname='"+t2.getText()+"',age='"+age+"',dob  
='"+dat+"',address='"+t3.getText()+"',phone='"+t4.getText()+"',email  
='"+t5.getText()+"',education='"+t6.getText()+"',post='"+t7.getText()  
+'','"+aadhar='"+t8.getText()+"',emp_id='"+t9.getText()+"' where  
emp_id='"+id_emp+"'";  
            con.s.executeUpdate(str);  
            JOptionPane.showMessageDialog(null,"successfully  
updated");  
            f.setVisible(false);  
            new Search_Employee();  
        }catch(Exception e){  
            System.out.println("The error is:"+e);  
        }  
    }  
    if(ae.getSource()==b1){  
        f.setVisible(false);  
        details d=new details();  
    }  
}  
  
public static void main(String[] arg){
```

```
new Update_Employee("Update Employee");  
}  
}
```

Search employee code:

```
package Employeee;
```

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

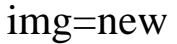
```
class Search_Employee implements ActionListener{
```

```
    JFrame f;  
    JTextField t;  
    JLabel l,l5;  
    JButton b,b2;
```

```
    Search_Employee(){
```

```
        f=new JFrame("search");  
        f.setBackground(Color.green);  
        f.setLayout(null);
```

```
        l5=new JLabel();  
        l5.setBounds(0,0,500,270);  
        l5.setLayout(null);
```

```
        ImageIconimg=new  
        ImageIcon(ClassLoader.getResource("Employeee/icons/view.j  
pg"));  
        l5.setIcon(img);
```

```
        l=new JLabel("Employee Id");  
        l.setVisible(true);  
        l.setBounds(40,50,250,30);  
        l.setForeground(Color.white);  
        Font F1=new Font("serif",Font.BOLD,25);  
        l.setFont(F1);
```

```
        15.add(l);

f.add(l5);

t=new JTextField();
t.setBounds(240,50,220,30);
15.add(t);

b=new JButton("Search");
b.setBounds(240,150,100,30);
b.addActionListener(this);
15.add(b);

b2=new JButton("Cancel");
b2.setBounds(360,150,100,30);
b2.addActionListener(this);
15.add(b2);

f.setSize(500,270);
f.setLocation(450,250);
f.setVisible(true);
}

public void actionPerformed(ActionEvent ae){
    if(ae.getSource()==b2){
        f.setVisible(false);
        details d=new details();
    }
    if(ae.getSource()==b){
        new Update_Employee(t.getText());
        f.setVisible(false);
    }
}

public static void main(String[]ar){
```

```
        new Search_Employee();  
    }  
}
```

Remove employee code:

```
package Employeee;  
  
import java.sql.*;  
import java.awt.*;  
import java.awt.event.*;  
import javax.swing.*;  
  
class Remove_Employee implements ActionListener{  
    JFrame f;  
    JTextField t;  
    JLabel l1,l2,l3,l4,l5,l6,l7,l8;  
    JButton b,b1,b2,b3;  
  
    Remove_Employee(){  
        f=new JFrame("Remove Employee");  
        f.setBackground(Color.green);  
        f.setLayout(null);  
  
        l5=new JLabel();  
        l5.setBounds(0,0,500,500);  
        l5.setLayout(null);  
        ImageIcon img=new  
        ImageIcon(ClassLoader.getResource("Employeee/icons/re  
move.jpg"));  
        l5.setIcon(img);  
        f.add(l5);  
  
        l1=new JLabel("Employee Id");  
        l1.setBounds(50,50,250,30);  
        l1.setForeground(Color.white);  
        Font f2 = new Font("serif",Font.BOLD,25);
```



```
11.setFont(f2);  
15.add(l1);  
  
t=new JTextField();  
t.setBounds(250,50,150,30);  
15.add(t);  
  
b=new JButton("Search");  
b.setBounds(200,100,100,30);  
b.addActionListener(this);  
15.add(b);  
  
b3=new JButton("back");  
b3.setBounds(360,100,100,30);  
b3.addActionListener(this);  
15.add(b3);  
  
l2=new JLabel("Name:");  
l2.setBounds(50,150,250,30);  
l2.setForeground(Color.white);  
Font f3 = new Font("serif",Font.BOLD,20);  
l2.setFont(f3);  
15.add(l2);  
  
l6=new JLabel();  
l6.setBounds(200,150,350,30);  
l6.setForeground(Color.white);  
Font F6=new Font("serif",Font.BOLD,20);  
l6.setFont(F6);  
15.add(l6);  
  
l3=new JLabel("Mobile No:");  
l3.setBounds(50,200,250,30);  
l3.setForeground(Color.white);
```

```
Font f4 = new Font("serif",Font.BOLD,20);  
l3.setFont(f4);  
l5.add(l3);
```

```
l7=new JLabel();  
l7.setBounds(200,200,350,30);  
l7.setForeground(Color.white);  
Font F7=new Font("serif",Font.BOLD,20);  
l7.setFont(F7);  
l5.add(l7);
```

```
l4=new JLabel("Email Id:");  
l4.setBounds(50,250,250,30);  
l4.setForeground(Color.white);  
Font F5=new Font("serif",Font.BOLD,20);  
l4.setFont(F5);  
l5.add(l4);
```

```
l8=new JLabel();  
l8.setBounds(200,250,350,30);  
l8.setForeground(Color.white);  
Font f8=new Font("serif",Font.BOLD,20);  
l8.setFont(f8);  
l5.add(l8);
```

```
b1=new JButton("Remove");  
b1.setBounds(120,300,100,30);  
b1.addActionListener(this);  
l5.add(b1);
```

```
b2=new JButton("Cancel");  
b2.setBounds(300,300,100,30);
```

```
        b2.addActionListener(this);
    l5.add(b2);
    l2.setVisible(false);
    l3.setVisible(false);
    l4.setVisible(false);
    b1.setVisible(false);
    b2.setVisible(false);

    f.setSize(500,500);
    f.setLocation(500,250);
    f.setVisible(true);
}

public void actionPerformed(ActionEvent ae){

    if(ae.getSource()==b){
        try{
            conn con = new conn();
            String str = "select name,phone,email from employee
where emp_id='"+t.getText()+"' ";
            ResultSet rs = con.s.executeQuery(str);

            int i=0;
            if(rs.next()){
                String name = rs.getString(1);
                String mob = rs.getString(2);
                String email=rs.getString(3);

                l2.setVisible(true);
                l3.setVisible(true);
                l4.setVisible(true);
                b1.setVisible(true);
                b2.setVisible(true);
                i=1;
                l6.setText(name);
                l7.setText(mob);
```

```
18.setText(email);
    }
    if(i==0)
        JOptionPane.showMessageDialog(null,"Id not
found");
    }catch(Exception ex){ }
    }
    if(ae.getSource()==b1){
        try{
            conn con = new conn();
            String str = "delete from employee where emp_id =
"+t.getText()+"";
            con.s.executeUpdate(str);
            JOptionPane.showMessageDialog(null,"deleted
successfully");
            12.setVisible(false);
            13.setVisible(false);
            14.setVisible(false);
            16.setVisible(false);
            17.setVisible(false);
            18.setVisible(false);
            b1.setVisible(false);
            b2.setVisible(false);

        }catch(Exception ex){
            JOptionPane.showMessageDialog(null,"Exception
occured while delting record "+ex);
        }
    }
    if(ae.getSource()==b2){
        f.setVisible(false);
        details d=new details();
    }
    if(ae.getSource()==b3){
        f.setVisible(false);
        details d=new details();
```

```
        }  
    }  
  
    public static void main(String[]ar){  
        new Remove_Employee();  
    }  
}
```

Print data code:

```
package Employeee;  
  
import java.awt.*;  
import javax.swing.*;  
import java.awt.event.*;  
import java.sql.*;  
  
class Print_Data implements ActionListener{  
    JFrame f;  
    JLabel  
id8,id,aid,id1,aid1,id2,aid2,id3,aid3,id4,aid4,id5,aid5,id6,aid6,id7,a  
id7,id9,id10,id11,id12,id13,id14,id15,id16,id17,lab;  
    String  
emp_id,name,father,address,phone,email,education,post,age,dob,aa  
dhar;  
    JButton b1,b2;  
    ImageIcon icon;  
  
    Print_Data(String e_id){  
        try{  
            conn con = new conn();  
            String str = "select * from employee where emp_id =  
"+e_id+"";  
            ResultSet rs= con.s.executeQuery(str);  
  
            while(rs.next()){
```

```
        name = rs.getString("name");
        father = rs.getString("fname");
        age = rs.getString("age");
        dob = rs.getString("dob");
        address = rs.getString("address");
        phone = rs.getString("phone");
        email = rs.getString("email");
        education = rs.getString("education");
        post = rs.getString("post");
        aadhar = rs.getString("aadhar");
        emp_id = rs.getString("emp_id");
    }
} catch (Exception e) {
    e.printStackTrace();
}

f=new JFrame("Print Data");
f.setVisible(true);
f.setSize(595,642);
f.setLocation(450,200);
f.setBackground(Color.white);
f.setLayout(null);

id9=new JLabel();
id9.setBounds(0,0,595,642);
id9.setLayout(null);
ImageIcon img=new
ImageIcon(ClassLoader.getResource("Employeee/icons/pri
nt.jpg"));
id9.setIcon(img);

id8 = new JLabel("Employee Details");
id8.setBounds(50,10,250,30);
f.add(id8);
id8.setFont(new Font("serif",Font.BOLD,25));
```

```
id9.add(id8);  
f.add(id9);  
  
id = new JLabel("Employee Id:");  
id.setBounds(50,70,120,30);  
id.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id);  
  
aid = new JLabel(emp_id);  
aid.setBounds(200,70,200,30);  
aid.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid);  
  
id1 = new JLabel("Name:");  
id1.setBounds(50,120,100,30);  
id1.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id1);  
  
aid1 = new JLabel(name);  
aid1.setBounds(200,120,300,30);  
aid1.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid1);  
  
id2 = new JLabel("Father's Name:");  
id2.setBounds(50,170,200,30);  
id2.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id2);  
  
aid2 = new JLabel(father);  
aid2.setBounds(200,170,300,30);  
aid2.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid2);  
  
id3= new JLabel("Address:");  
id3.setBounds(50,220,100,30);
```

```
id3.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id3);
```

```
aid3= new JLabel(address);  
aid3.setBounds(200,220,300,30);  
aid3.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid3);
```

```
id4= new JLabel("Mobile No:");  
id4.setBounds(50,270,100,30);  
id4.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id4);
```

```
aid4= new JLabel(phone);  
aid4.setBounds(200,270,300,30);  
aid4.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid4);
```

```
id5= new JLabel("Email Id:");  
id5.setBounds(50,320,100,30);  
id5.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id5);
```

```
aid5= new JLabel(email);  
aid5.setBounds(200,320,300,30);  
aid5.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid5);
```

```
id6= new JLabel("Education:");  
id6.setBounds(50,370,100,30);  
id6.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id6);
```



```
aid6= new JLabel(education);  
aid6.setBounds(200,370,300,30);  
aid6.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid6);
```

```
id7= new JLabel("Job Post:");  
id7.setBounds(50,420,100,30);  
id7.setFont(new Font("serif",Font.BOLD,20));  
id9.add(id7);
```

```
aid7= new JLabel(post);  
aid7.setBounds(200,420,300,30);  
aid7.setFont(new Font("serif",Font.BOLD,20));  
id9.add(aid7);
```

```
b1=new JButton("Print");  
b1.setBackground(Color.BLACK);  
b1.setForeground(Color.WHITE);  
b1.setBounds(100,520,100,30);  
b1.addActionListener(this);  
id9.add(b1);
```

```
b2=new JButton("cancel");  
b2.setBackground(Color.BLACK);  
b2.setForeground(Color.WHITE);  
b2.setBounds(250,520,100,30);  
b2.addActionListener(this);  
id9.add(b2);
```

```
}
```

```
public void actionPerformed(ActionEvent ae){
```

```
        if(ae.getSource()==b1){
            JOptionPane.showMessageDialog(null,"printed
successfully");
            f.setVisible(false);
            details d=new details();
        }
        if(ae.getSource()==b2){
            f.setVisible(false);
            new View_Employee();
        }
    }
    public static void main(String[] args){
        new Print_Data("Print Data");
    }
}
```

Add employee code:

```
package Employeee;

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

class Add_Employee implements ActionListener{

    JFrame f;
    JLabel
id,id1,id2,id3,id4,id5,id6,id7,id8,id9,id10,id11,id12,id15,id16,id17,
lab,lab1;
    JTextField t,t1,t2,t3,t4,t5,t6,t7,t8,t9,t10,t11,t12,t13;
    JButton b,b1,b2,b3;

    Add_Employee(int i){ }
```

```
        Add_Employee(){
            f = new JFrame("Add Employee");
            f.setBackground(Color.white);
            f.setLayout(null);

            id15=new JLabel();
            id15.setBounds(0,0,900,700);
            id15.setLayout(null);
            ImageIcon img = new
ImageIcon(ClassLoader.getResource("Employeee/icons/ad
d_employee.jpg"));
            id15.setIcon(img);

            id8 = new JLabel("New Employee Details");
            id8.setBounds(320,30,500,50);
            id8.setFont(new Font("serif",Font.ITALIC,25));
            id8.setForeground(Color.black);
            id15.add(id8);
            f.add(id15);

            id1 = new JLabel("Name");
            id1.setBounds(50,150,100,30);
            id1.setFont(new Font("serif",Font.BOLD,20));
            id15.add(id1);

            t1=new JTextField();
            t1.setBounds(200,150,150,30);
            id15.add(t1);

            id2 = new JLabel("Father's Name");
            id2.setBounds(400,150,200,30);
            id2.setFont(new Font("serif",Font.BOLD,20));
            id15.add(id2);

            t2=new JTextField();
```

```
t2.setBounds(600,150,150,30);
id15.add(t2);

id3= new JLabel("Age");
id3.setBounds(50,200,100,30);
id3.setFont(new Font("serif",Font.BOLD,20));
id15.add(id3);

t3=new JTextField();
t3.setBounds(200,200,150,30);
id15.add(t3);

id4= new JLabel("Date Of Birth");
id4.setBounds(400,200,200,30);
id4.setFont(new Font("serif",Font.BOLD,20));
id15.add(id4);

t4=new JTextField();
t4.setBounds(600,200,150,30);
id15.add(t4);

id5= new JLabel("Address");
id5.setBounds(50,250,100,30);
id5.setFont(new Font("serif",Font.BOLD,20));
id15.add(id5);

t5=new JTextField();
t5.setBounds(200,250,150,30);
id15.add(t5);

id6= new JLabel("Phone");
id6.setBounds(400,250,100,30);
id6.setFont(new Font("serif",Font.BOLD,20));
id15.add(id6);

t6=new JTextField();
```

```
t6.setBounds(600,250,150,30);
id15.add(t6);

id7= new JLabel("Email Id");
id7.setBounds(50,300,100,30);
id7.setFont(new Font("serif",Font.BOLD,20));
id15.add(id7);

t7=new JTextField();
t7.setBounds(200,300,150,30);
id15.add(t7);

id9= new JLabel("Education");
id9.setBounds(400,300,100,30);
id9.setFont(new Font("serif",Font.BOLD,20));
id15.add(id9);

t8=new JTextField();
t8.setBounds(600,300,150,30);
id15.add(t8);

id10= new JLabel("Job Post");
id10.setBounds(50,350,100,30);
id10.setFont(new Font("serif",Font.BOLD,20));
id15.add(id10);

t9=new JTextField();
t9.setBounds(200,350,150,30);
id15.add(t9);

id11= new JLabel("Cnic No");
id11.setBounds(400,350,100,30);
id11.setFont(new Font("serif",Font.BOLD,20));
id15.add(id11);
```

```
t10=new JTextField();
t10.setBounds(600,350,150,30);
id15.add(t10);

id12= new JLabel("Employee Id");
id12.setBounds(50,400,150,30);
id12.setFont(new Font("serif",Font.BOLD,20));
id15.add(id12);

t11=new JTextField();
t11.setBounds(200,400,150,30);
id15.add(t11);


lab=new JLabel();
lab.setBounds(200,450,250,200);
id15.add(lab);

lab1=new JLabel("");
lab1.setBounds(600,450,250,200);
id15.add(lab1);

b = new JButton("Submit");
b.setBackground(Color.BLACK);
b.setForeground(Color.WHITE);
b.setBounds(250,550,150,40);

id15.add(b);

b1=new JButton("Cancel");
b1.setBackground(Color.BLACK);
b1.setForeground(Color.WHITE);
b1.setBounds(450,550,150,40);

id15.add(b1);
```

```
b.addActionListener(this);  
b1.addActionListener(this);
```

```
f.setVisible(true);  
f.setSize(900,700);  
f.setLocation(400,150);  
}
```

```
public void actionPerformed(ActionEvent ae){
```

```
    String a = t1.getText();  
    String bb = t2.getText();  
    String c = t3.getText();  
    String d = t4.getText();  
    String e = t5.getText();  
    String ff = t6.getText();  
    String g = t7.getText();  
    String h = t8.getText();  
    String i = t9.getText();  
    String j = t10.getText();  
    String k = t11.getText();  
    if(ae.getSource() == b){  
        try{  
            conn cc = new conn();  
            String q = "insert into employee  
values('"+a+"','"+bb+"','"+c+"','"+d+"','"+e+"','"+ff+"','"+g+"','"+h+"  
','"+i+"','"+j+"','"+k+"')";  
            cc.s.executeUpdate(q);  
            JOptionPane.showMessageDialog(null,"Details  
Successfully Inserted");  
            f.setVisible(false);  
            new details();  
        }catch(Exception ee){  
            System.out.println("The error is:"+ee);  
        }  
    }
```

```
        }else if(ae.getSource() == b1){  
            f.setVisible(false);  
            new details();  
        }  
    }  
    public static void main(String[ ] arg){  
        new Add_Employee();  
    }  
}
```

Front page code:

```
package Employeee;  
  
import java.awt.*;  
import javax.swing.*;  
import java.lang.Thread;  
import java.awt.event.*;  
  
class Front_Page implements ActionListener{  
    JFrame f;  
    JLabel id,l1;  
    JButton b;  
  
    Front_Page(){  
        f=new JFrame("Employee Management System");  
        f.setBackground(Color.red);  
        f.setLayout(null);  
  
        ImageIcon i1 = new  
ImageIcon(ClassLoader.getResource("Employeee/icons/front.jpg")  
);  
        Image i2 =  
i1.getImage().getScaledInstance(1200,700,Image.SCALE_DEFAULT);  
        ImageIcon i3 = new ImageIcon(i2);  
        JLabel l1 = new JLabel(i3);  
  
        l1.setBounds(0,150,1360,530);  
        f.add(l1);  
  
        b = new JButton("CLICK HERE TO CONTINUE");
```



```
        b.setBackground(Color.BLACK);
        b.setForeground(Color.WHITE);

        b.setBounds(500,600,300,70);
        b.addActionListener(this);

        id=new JLabel();
        id.setBounds(0,0,1360,750);
        id.setLayout(null);

        JLabel lid=new JLabel("EMPLOYEE MANAGEMENT SYSTEM");
        lid.setBounds(80,30,1500,100);
        lid.setFont(new Font("serif",Font.PLAIN,70));
        lid.setForeground(Color.red);
        id.add(lid);

        id.add(b);
        f.add(id);

        f.getContentPane().setBackground(Color.WHITE);

        f.setVisible(true);
        f.setSize(1360,750);
        f.setLocation(200,100);

        while(true){
            lid.setVisible(false); // lid = j label
            try{
                Thread.sleep(500); //1000 = 1 second
            }catch(Exception e){ }
            lid.setVisible(true);
            try{
                Thread.sleep(500);
            }catch(Exception e){ }
        }
    }

    public void actionPerformed(ActionEvent ae){
```

```
        if(ae.getSource()==b){
            f.setVisible(false);
            new login();
        }
    }
    public static void main(String[] arg){
        Front_Page f = new Front_Page();
    }
}
```

View employee data code:

```
package Employeee;

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

class View_Employee implements ActionListener{

    JFrame f;
    JTextField t;
    JLabel l1,l2;
    JButton b,b2;

    View_Employee(){
        f=new JFrame("View");
        f.setBackground(Color.green);
        f.setLayout(null);

        l1=new JLabel();
        l1.setBounds(0,0,500,270);
        l1.setLayout(null);
        ImageIcon img=new
        ImageIcon(ClassLoader.getResource("Employeee/icons/view.jpg")
        );
        l1.setIcon(img);

        l2=new JLabel("Employee Id");
        l2.setVisible(true);
        l2.setBounds(40,60,250,30);
    }
}
```

```
        l2.setForeground(Color.white);
        Font F1 = new Font("serif",Font.BOLD,30);
        l2.setFont(F1);
        l1.add(l2);
        f.add(l1);

        t=new JTextField();
        t.setBounds(240,60,220,30);
        l1.add(t);

        b=new JButton("Search");
        b.setBounds(240,150,100,30);
        b.addActionListener(this);
        l1.add(b);

        b2=new JButton("Cancel");
        b2.setBounds(360,150,100,30);
        b2.addActionListener(this);
        l1.add(b2);

        f.setSize(500,270);
        f.setLocation(450,250);
        f.setVisible(true);
    }

    public void actionPerformed(ActionEvent ae){

        if(ae.getSource()==b2){
            f.setVisible(false);
            details d=new details();
        }
        if(ae.getSource()==b){
            f.setVisible(false);
            Print_Data p=new Print_Data(t.getText());
        }

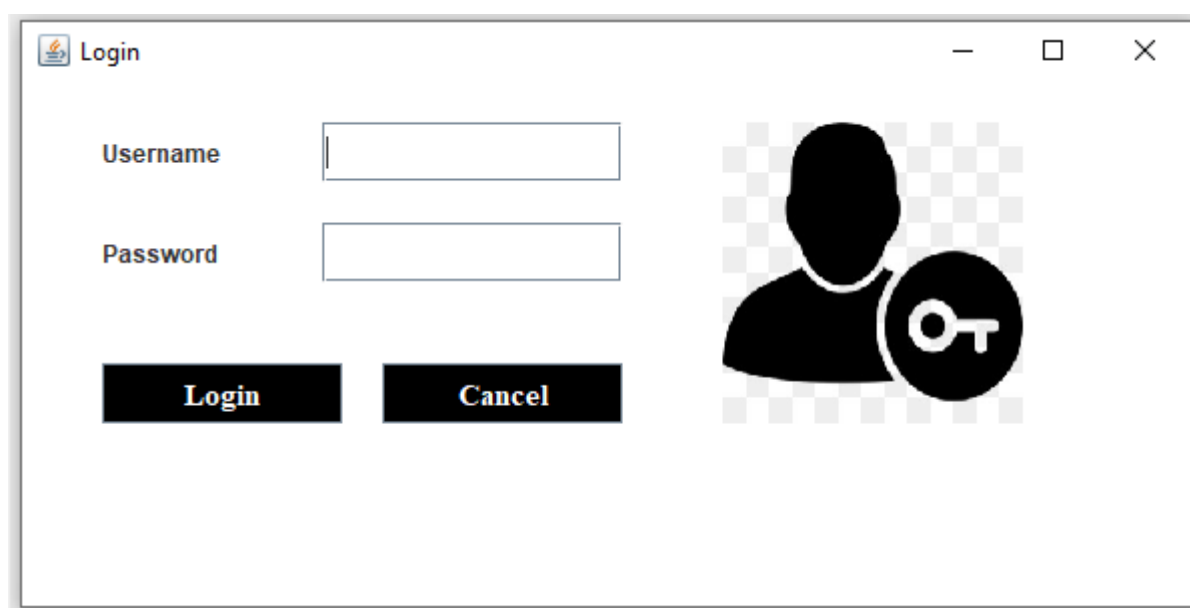
    }

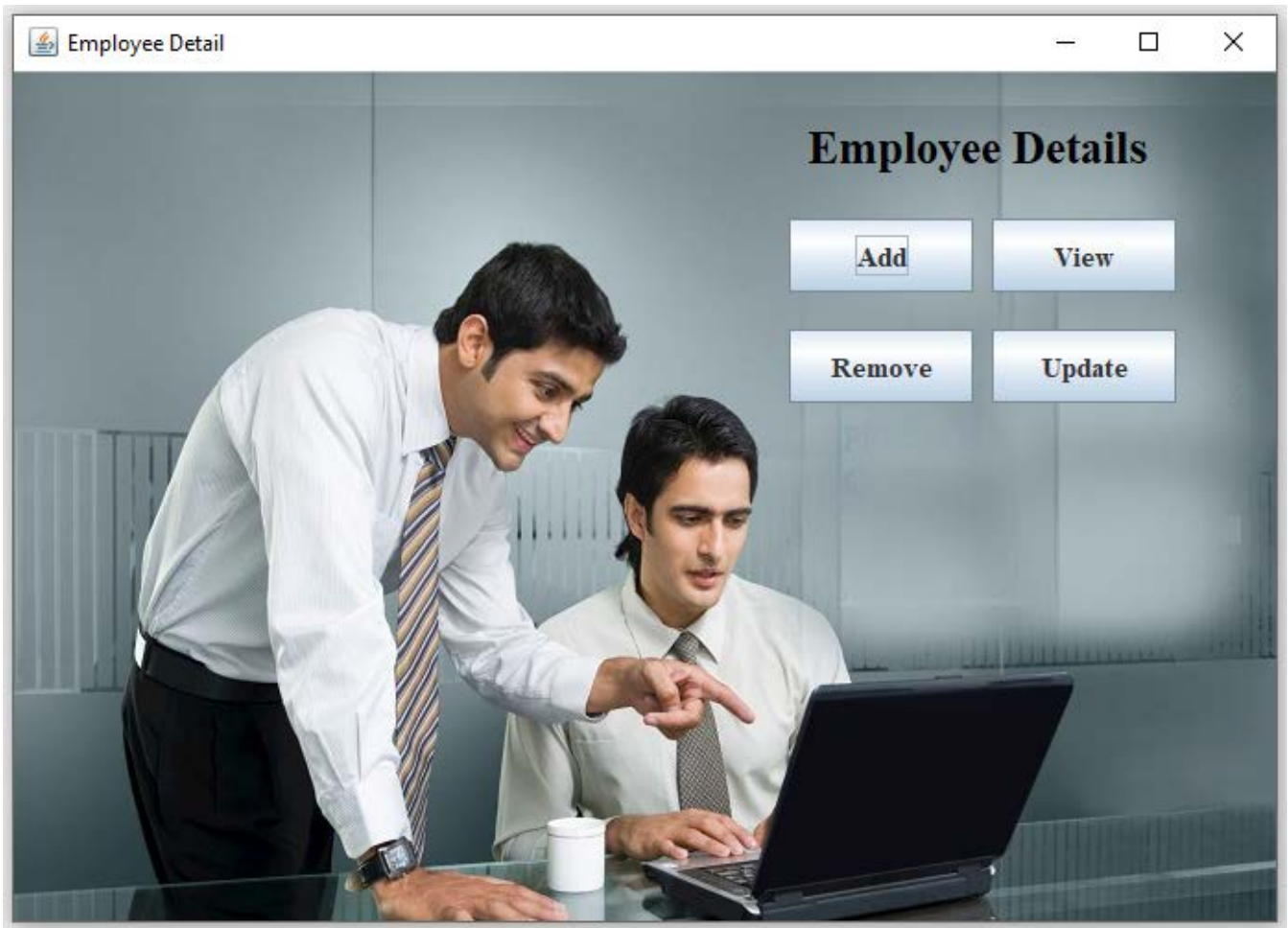
    public static void main(String[]ar){
        View_Employee v=new View_Employee();
    }
```

}

Output Screenshots of IDE:

Output Screenshot mentioned below:





Add Employee

— □ ×

New Employee Details

Name

Father's Name

Age

Date Of Birth

Address

Phone

Email Id

Education

Job Post

Cnic No

Employee Id

Submit

Cancel

View

— □ ×

Employee Id

Search

Cancel

Remove Employee

Employee Id

Search back

update Employee details

Update Employee Detail:

Name:	<input type="text"/>	Father's Name:	<input type="text"/>
Address:	<input type="text"/>	Mobile No:	<input type="text"/>
Email Id:	<input type="text"/>	Education:	<input type="text"/>
Job Post:	<input type="text"/>	Cnic no:	<input type="text"/>
Employee Id:	<input type="text"/>		

update Cancel