

DECLARATION

I **shivam pandey** student of diploma (CS) hereby declare that the Project titled “**Employee Management System**” which is submitted by me to Mr. Amit Srivastava , Hanswahini Institute of science and technology, Mahuari Chakia Naini in partial fulfillment of requirement for the award of the degree of Diploma. CS, has not been previously formed the basis for the award of any degree, diploma or other similar title or recognition. The Author attests that permission has been obtained for the use of any copy righted material appearing in the Dissertation

Project report other than brief excerpts requiring only proper acknowledgement in scholarly writing and all such use is acknowledged.

Place- PRAYAGRAJ

Student Name- SHIVAM PANDEY

Date-

Enrollment No- E21445138900001



GUIDE CERTIFICATE

I hereby certify that the Project Report by **SHIVAM PANDEY**, student of **DIPLOMA IN COMPUTER SCIENCE & engineering** with title “**Employee Management System**” which is submitted to **HANSWAHINI INSTITUTE OF SCIENCE & TECHNOLOGY, MAHUARI CHAKIA NAINI** in partial fulfillment of requirement for the award of the degree of Polytechnic is an original contribution with existing knowledge and faithful record of work carried out by him/her under my guidance and supervision and to the best of my knowledge this work has not been submitted in part or full for any Degree or Diploma to this University or elsewhere.

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ACKNOWLEDGEMENT

It is high privilege for me to express my deep sense of gratitude to those entire faculty Members who helped me in the completion of the project, specially my internal guide **Mr. Akhilesh Mishra** who was always there at hour of need. My special thanks to all other faculty members, Batch mate & Seniors of **college** for helping me in the completion of project work and its report submission.

I also heartfelt thanks to my dear parents & my friends.

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Abstract

Human resource difficulties face all businesses, large and small. Because every organization has different staff management needs, we create custom employee management solutions that are tailored to your needs. This is intended to aid strategic planning and guarantee that your firm has the appropriate degree of human resources to meet your long-term objectives. This approach will help you to better manage your resources in the long run.

I. Introduction

Everything has been digitalized in our age of ever-increasing technology. The human workforce has grown as a result of the abundance of job options. As a result, a system that can handle the data of such a vast number of people in a company is required. Because of its user-friendly design, this project makes the process of keeping records easier. The "EMPLOYEE MANAGEMENT SYSTEM" was created to address the issues that plagued the previous manual

system. This program is designed to eliminate, and in some cases, decrease, the problems that the current system has.

To eliminate data entry mistakes, the software is kept as simple as possible. When inputting incorrect data, it also displays an error notice. The user doesn't require any formal expertise to operate this system. The admin will be able to add new employees to this project. Employee data may also be seen and printed by the administrator. Admins can also remove an employee and change their details.

II. Objective

The objective of this work is to give a complete approach to personnel information management. This will be accomplished by developing and deploying an HR management system that will result in a significant shift in the way employee data is managed.

This system's objectives include the following:

1. Design of an HR management system to meet needs such as adding and deleting employees, viewing and printing employee data, and updating employee information.
2. Employee data is stored in a well-designed database.
3. An easy-to-use interface that will let user interact with the system.

III. Methodology

The methodology to complete this project is as follows:

1. I explored net beans, concepts of swings and applets.
2. For further and a deeper understanding, I even referred to some articles, books, journals, websites and news articles.

Below are the important concepts on which the work has been done and with the support of these I was able to work on my project.

NET BEANS- NetBeans is a Java-based integrated development environment (IDE). NetBeans enables the creation of applications using a set of modular software components known as modules. NetBeans is compatible with Windows, Mac OS X, Linux, and Solaris. It also allows other programming languages to be extended. In addition to Java programming, Third-party developers can expand NetBeans-based applications, including the NetBeans IDE.

JAVA- High-level, Object-Oriented programming language which help programmers to run their applications efficiently. JAVA is the programming language which comes into our minds when we talk about android application. By using JAVA as a programming language, programmer can develop any type of android application easily. JAVA also provides many libraries which also helps in making efficient android application. Swing is a Java GUI widget toolkit. It's part of Oracle's Java Foundation Classes (JFC), which provides an API for creating graphical-user-interfaces for Java programmers.

SWING- Swing is a Java GUI widget toolkit. It's part of Oracle's Java Foundation Classes (JFC), which provides an API for creating-graphical-user-interfaces for Java programmers. Swing was created to give a more advanced collection of graphical user interface components than the previous Abstract Window Toolkit (AWT). Swing offers a pluggable look and feel that allows applications to have a look & feel that is unconnected to the underlying platform, as well as a look& feel that emulates the look & feel of numerous platforms.

SQL- SQL (Structured Query Language) is a computer language that is used to manage data in a relational database management system (RDBMS) or for stream processing in a relational data stream management system (RDSMS). It's especially beneficial for dealing with structured data, or data that has relationships between entities and variables.

IV. Feasibility Study

In order to do a feasibility study, we must consider the following:

1. Technical Feasibility

The availability of hardware & Software necessary for the creation of the system, as well- as the compatibility and maturity of the technology planned to be used, and the

availability of the requisite technical staff to create the system, are all factors to consider.

2. Operational Feasibility

Problems that may develop during operations are the focus of operation feasibility.

There are two parts to this problem to consider:

- What are the chances that the solution provided will not be used or will not work?
- What is the inclination of the management and end users towards the solution?

3. Economic Feasibility

The concept of economic feasibility is determining whether or not the potential benefit of fixing difficulties is worthwhile. Because member needs & alternative solutions haven't been specified at this point, it is difficult to estimate the cost at this level.

○ Requirements

○ Hardware:

- windows 10
- System: Intel(R) Core(TM) i5-2540M CPU @ 2.60GHz 2.60 GHz
- Processor: 4.00 GB (3.88 GB usable)
- Installed memory (RAM): 64-bit Operating System, x64-based processor

• Softwares :

- Apache netbeans 8.2
- JDK (java development kit) 8
- SQLite editor

- **Connector & drivers :**

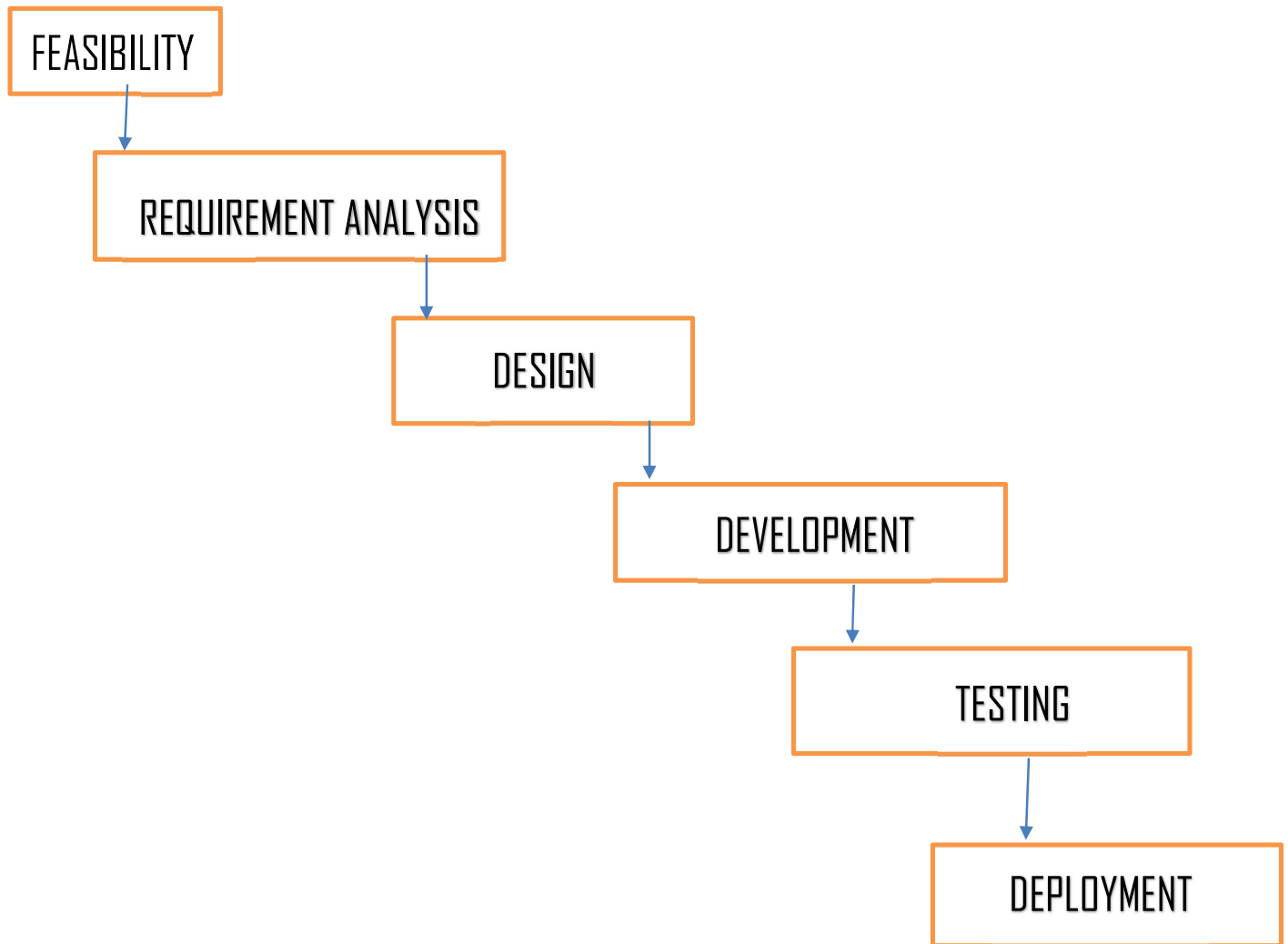
- **jdatepicker-1.3.4.jar**
- **itextpdf-5.5.4.jar**
- **rs2xml.jar**
- **sqlitejdbc-v056.jar**

- **languages :**

- **java , swing , awt**
- **RDBMS:MYSQL (STRUCTURE QUERY
LANGUAGE)**

SDLC : Software Development Life Cycle

Phases of SDLC



DATABASE (empnet.sqlite) TABLE

Table 1: Allowance

id	overtime	medical	Bonus	other	emp_id	Salary	Rate	total_allowance	firstname	surname	created_by
1	5	0	0	0	1	4500	22.5	168.75	Kappa	Ghost	1
2	0	0	0	0	7	14000	0	0.00	shivam	pandey	1
3	1000	500	1500	300	2	15000	0	0.00	akhilesh	mishra	1
4	1000	500	1500	300	2	15000	75.0	114800.0	akhilesh	mishra	1
5	1000	500	1500	300	2	15000	75.0	114800.0	akhilesh	mishra	1
6	1000	500	1500	300	9	50000	250.0	377300.0	sonu	kumar	2
7	100	50	500	100	10	10000	50.0	8150.0	vikash	kumar	1
8	500	200	1000	100	11	10000	50.0	38800.0	nikhil	pandey	1
9	100	50	200	150	12	5000	25.0	4150.0	abhishek	tripathi	1
10	01	01	01	01	13	87bdx	0	0.00	hsd	sdhbf	1

Table 2: Audit

audit_id	emp_id	date	status
1	1	15:55:13 / Aug 13, 2016	Logged in
2	1	15:58:01 / Aug 13, 2016	Added Record
3	1	15:58:44 / Aug 13, 2016	Updated Allowance Record
4	1	15:59:18 / Aug 13, 2016	Updated Deduction Record
5	1	15:59:42 / Aug 13, 2016	Updated Deduction Record
6	1	16:00:03 / Aug 13, 2016	Updated Record
7	1	16:00:12 / Aug 13, 2016	Updated Record
8	1	16:00:47 / Aug 13, 2016	Updated Salary Record
9	1	16:01:02 / Aug 13, 2016	Updated Salary Record
10	1	16:03:30 / Aug 13, 2016	Logged out
11	1	22:51:06 / Sep 8, 2016	Logged in

audit_id	emp_id	date	status
12	1	21:49:56 / Sep 23, 2016	Logged in
13	1	21:51:07 / Sep 23, 2016	Logged out
14	1	21:51:38 / Sep 23, 2016	Logged in
15	1	00:58:48 / Sep 26, 2016	Logged in
16	1	14:16:24 / 21-Apr-2023	Logged in
17	1	14:36:29 / 21-Apr-2023	Logged in
18	1	14:39:27 / 21-Apr-2023	Added Record
19	1	14:39:39 / 21-Apr-2023	Added Record
20	1	14:39:44 / 21-Apr-2023	Added Record
21	1	14:39:48 / 21-Apr-2023	Added Record
22	1	14:41:40 / 21-Apr-2023	Added Record
23	1	14:43:40 / 21-Apr-2023	Added Record
24	1	14:52:17 / 21-Apr-2023	Added Record
25	1	14:53:57 / 21-Apr-2023	Updated Allowance Record
26	1	14:56:22 / 21-Apr-2023	Updated Allowance Record
27	1	14:56:48 / 21-Apr-2023	Updated Allowance Record
28	1	15:00:31 / 21-Apr-2023	Updated Allowance Record
29	1	15:04:22 / 21-Apr-2023	Updated Deduction Record
30	1	15:04:30 / 21-Apr-2023	Updated Deduction Record
31	1	15:05:14 / 21-Apr-2023	Updated Record
32	1	15:05:58 / 21-Apr-2023	Deleted Record
33	1	15:06:35 / 21-Apr-2023	Updated Record
34	1	15:07:19 / 21-Apr-2023	Updated Salary Record
35	2	15:43:02 / 21-Apr-2023	Logged in
36	2	15:46:42 / 21-Apr-2023	Added Record
37	2	15:48:37 / 21-Apr-2023	Updated Allowance Record
38	2	15:49:33 / 21-Apr-2023	Updated Deduction Record
39	2	15:49:52 / 21-Apr-2023	Updated Record
40	2	15:50:21 / 21-Apr-2023	Updated Salary Record
41	1	19:10:46 / 21-Apr-2023	Logged in
42	1	19:13:43 / 21-Apr-2023	Added Record
43	1	19:15:00 / 21-Apr-2023	Updated Allowance Record
44	1	19:15:58 / 21-Apr-2023	Updated Deduction Record
45	1	19:16:23 / 21-Apr-2023	Updated Record
46	1	19:16:45 / 21-Apr-2023	Updated Salary Record
47	1	10:58:57 / 27-Apr-2023	Logged in
48	1	11:01:01 / 27-Apr-2023	Added Record
49	1	11:02:46 / 27-Apr-2023	Updated Allowance Record

audit_id	emp_id	date	status
50	1	11:03:40 / 27-Apr-2023	Updated Deduction Record
51	1	11:04:19 / 27-Apr-2023	Updated Record
52	1	11:05:18 / 27-Apr-2023	Updated Salary Record
53	1	17:08:38 / 30-Apr-2023	Logged in
54	1	17:10:54 / 30-Apr-2023	Added Record
55	1	17:11:43 / 30-Apr-2023	Updated Allowance Record
56	1	17:12:23 / 30-Apr-2023	Updated Deduction Record
57	1	17:12:48 / 30-Apr-2023	Updated Record
58	1	17:13:15 / 30-Apr-2023	Updated Salary Record
59	1	09:53:26 / 02-May-2023	Logged in
60	1	09:54:53 / 02-May-2023	Logged in
61	1	10:39:28 / 02-May-2023	Logged in
62	1	10:43:33 / 02-May-2023	Logged in
63	1	10:45:07 / 02-May-2023	Added Record
64	1	10:45:54 / 02-May-2023	Updated Allowance Record
65	1	10:47:00 / 02-May-2023	Updated Deduction Record
66	1	10:47:53 / 02-May-2023	Updated Record
67	1	10:48:03 / 02-May-2023	Logged out
68	1	11:21:33 / 02-May-2023	Logged in
69	1	13:20:54 / 02-May-2023	Logged in
70	1	14:05:36 / 02-May-2023	Logged in
71	1	14:06:24 / 02-May-2023	Deleted Record
72	1	14:06:38 / 02-May-2023	Updated Record
73	1	14:23:07 / 02-May-2023	Logged in
74	1	17:25:11 / 02-May-2023	Logged in

Table 3 : Deductions

id	firstname	surname	salary	deduction_amount	deduction_reason	emp_id	made_by
4	Kappa	Ghost	4500	90	Absence	1	1
5	Kappa	Ghost	4500	40	Absence	1	1
6	akhilesh	Mishra	15000	1500	taking too leave	2	1
7	akhilesh	Mishra	15000	1500	taking too leave	2	1
8	sonu	Kumar	50000	25000	sota bahut hain	9	2
9	vikash	Kumar	10000	100	desi jugad	10	1
10	nikhil	Pandey	10000	2000	using mobile	11	1
11	abhishek	Tripathi	5000	500	chotra admi	12	1
12	hsd	Sdhbf	87bdx	0.00	1	13	1

id firstname surname salary deduction_amount deduction_reason emp_id made_by

Table 4: Staff_informations

i d	first _na me	sur na me	Dob	Email	Telep hone	Addre ss	Depa rtme nt	Im age	Ge nd er	Sa lar y	Addre ss2	Apa rtme nt	Post _co de	Desi gnati on	St at us	Date _hir ed	job _titl e
2	akhil esh	mis hra	20/0 3/19 87	ms.mishra1987@rediffmail.com	91251 88992	ashok nagar	Male		Ma le	20 00 0	praya graj	25e/ 23/1 2	2110 01	cs	ok	21/0 4/20 23	se
4	akhil esh	mis hra	20/0 3/19 87	ms.mishra1987@rediffmail.com	91251 88992	ashok nagar	cs		Ma le	15 00 0	praya graj	25e/ 23/1 2	2110 01	ho	ok	21/0 4/20 23	se
5	akhil esh	mis hra	20/0 3/19 87	ms.mishra1987@rediffmail.com	91251 88992	ashok nagar	cs		Ma le	15 00 0	praya graj	25e/ 23/1 2	2110 01	ho	ok	21/0 4/20 23	se
6									Ma le								
7	shiv am	pan dey	23/0 3/19 90	abc@gmail.com	91251 88992	ashok	cs		Ma le	14 00 0	nagar	452 e/12	2110 01	se	ok	12/0 9/20 20	eng
8	shiv am	pan dey	23/0 3/19 90	abc@gmail.com	91251 88992	ashok	cs		Ma le	14 00 0	nagar	452 e/12	2110 01	se	ok	12/0 9/20 20	eng
9	sonu	ku mar	05/0 1.20 04	sonukumar@gmail.com	89763 87698	naini muari chakia	Male		Ma le	55 00 0	buxor bihar 80212 0	56/4 3a/7 65	8021 20	diplo ma	ye s	21/0 4/23	QI insp ecto r
10	vika sh	ku mar	14/0 8/20 02	vikash@gmail.com	91259 49186	73654 /635/6 naini delhi	Male		Ma le	10 50 0	allahp ur,MP	65/8 9/9h	2110 08	diplo ma	ye s	21/0 4/20 23	SE
11	nikhi l	pan dey	14/0 5/20 05	nikhil@gmail.com	84647 83378		Male		Ma le	10 50 0				diplo ma	ye s	26/0 4/20 23	se
12	abhi shek	trip athi	13/3 /199 8	abhishek@gmail.com	94551 76552	73426 hghvh uv	Male		Ma le	52 00	78234 6uygh gc	u23t 7u	2110 089	diplo ma	ye s	30/0 4/20 23	dev elop er
13	hsd	sdh bf	07/0 9/20 01	jhsdkaJd@gmail.com	32782 76238 76	78y3i hiukjh djh	Male		Ma le	80 00	73298 bjhsg dh	783 292 8	2987 3gd	8237 gvd	82 37 gd	82d	82u db

Table 5 : Users

id	Division	username	password	emp_id
1	Admin	Admin	pass	0
3	Sales	Jon	123	
4	Sales	Jon	123	
5	Ali	User11	Pass11	

V. IMPLEMENTATION AND RESULT

Following are the screens of the Employee Management System where you can see all the features of this system in use and you can also see the GUI of the system:

1. **Login frame** – This is the login frame of this system where user have to enter the required credentials to have access for the main dashboard.



Fig. 1

2. **Main Dashboard** – After login in, user is directed to the main dashboard of this system where user can perform various operations like adding an employee, deleting an employee

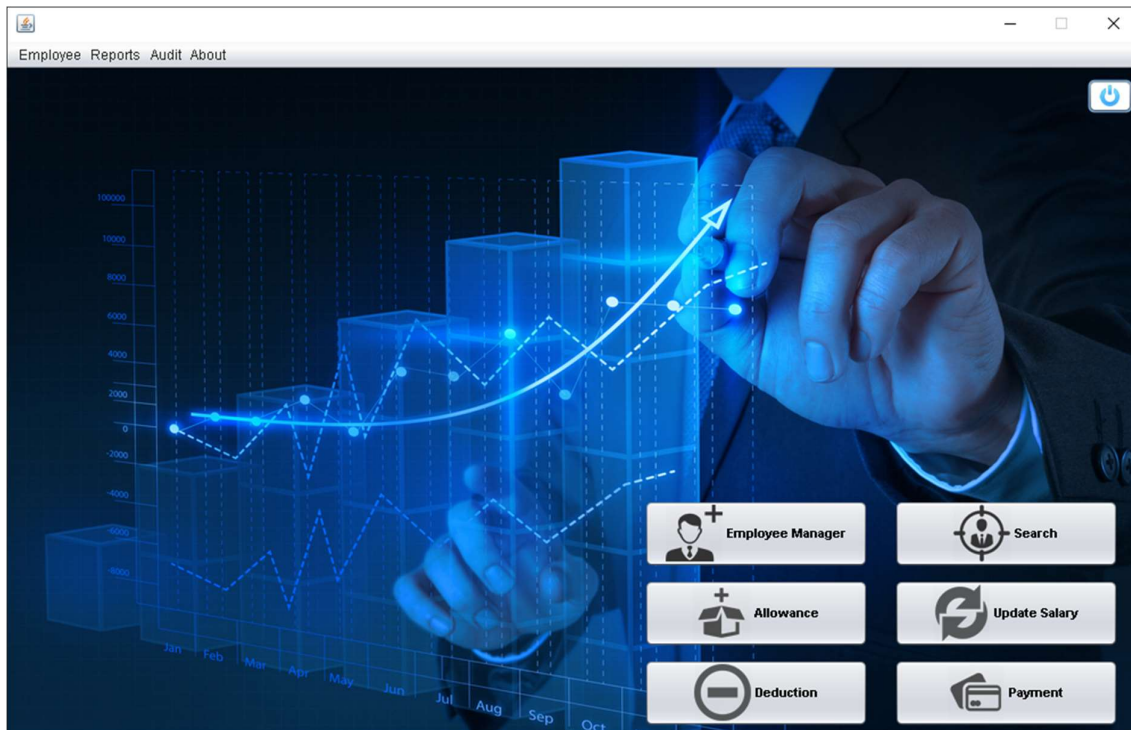


Fig. 2

3. **Add employee** – Here user have to enter all the required credentials to add a new employee to the system.

Fig. 3

4. **View and update employee** – In order to view and update employee information, the user have to enter employee ID.

File

Logged in As : 1

Search

Employee ID : 12

Personal Details

Employee id : 12

Department : Male

First name : abhishek

Designation : diploma

Surname : tripathi

Status : yes

Date of Birth : 13/3/1998

Date Hired : 30/04/2023

Gender: ☒ Male ☐ Female

Job Title : developer

Basic Salary : 5200

Email : abhishek@gmail.com

Contact : 9455176552

Address Line 1 : 73426hghvhuv

Address Line 2 : 782346uyghgc

Apt./House No : u23t7u

Update Record

Delete Record

Clear

Fig. 4

5. Allowance : It is used for adding overtime , medical , other payments

Search

Employee ID:

Employee id :

First name :

Surname :

Date of Birth :

Basic Salary :

Department :

Please enter the amounts

Overtime : 0

Medical : 0

Bouns : 0

Other : 0

Total Overtime: 0

Rate Per Hour: 0

id	overt...	med...	bonus	other	emp...	salary	rate	total...	first...	sum...	crea...
1	5	0	0	0	1	4500	22.5	168...	Kap...	Ghost	1
2	0	0	0	0	7	14000	0	0.00	shiv...	pan...	1
3	1000	500	1500	300	2	15000	0	0.00	akhi...	mis...	1
4	1000	500	1500	300	2	15000	75.0	114...	akhi...	mis...	1
5	1000	500	1500	300	2	15000	75.0	114...	akhi...	mis...	1
6	1000	500	1500	300	9	50000	250.0	377...	sonu	kumar	2
7	100	50	500	100	10	10000	50.0	815...	vika...	kumar	1
8	500	200	1000	100	11	10000	50.0	388...	nikhil	pan...	1
9	100	50	200	150	12	5000	25.0	415...	abhi...	tripa...	1
10	01	01	01	01	13	87bdc	0	0.00	hsd	sdhbf	1

Total Amount : 0.00

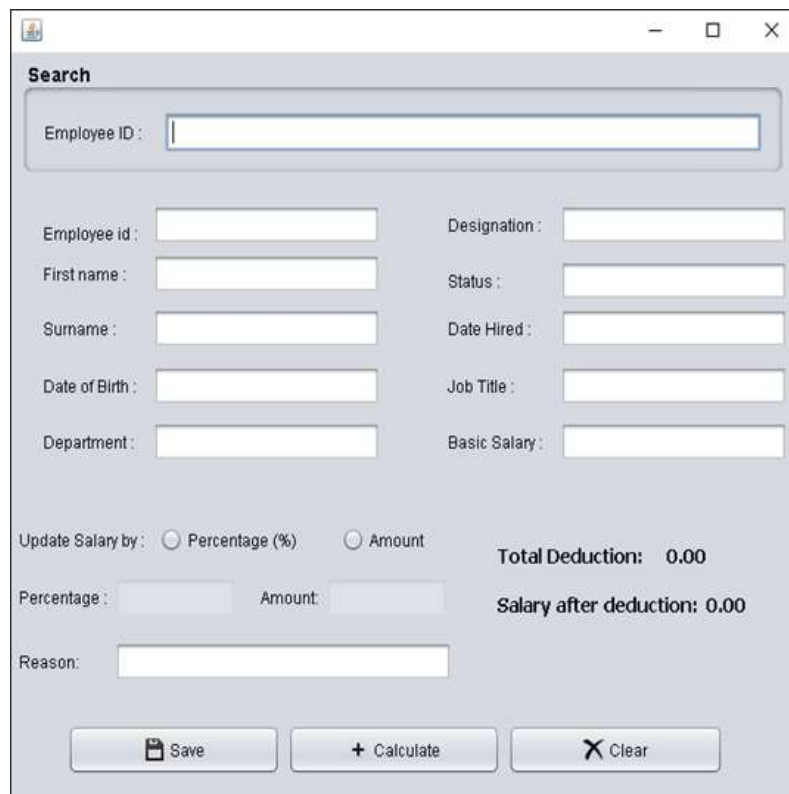
Save

+ Calculate

Clear

Fig. 5

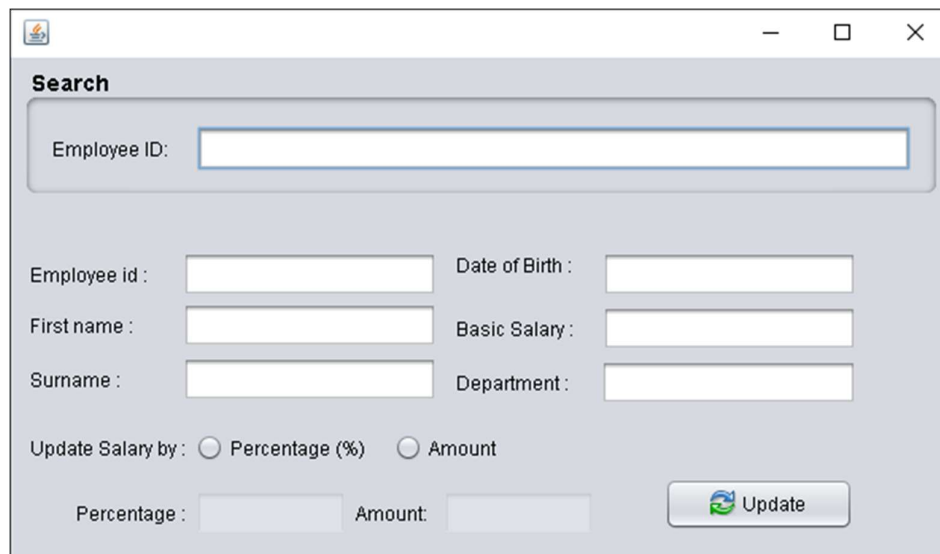
6. Deduction : this page is used to deduct money into salary for any reason.



The screenshot shows a web application window titled "Search". It features a large text input field for "Employee ID:". Below this, there are two columns of smaller text input fields: "Employee id:", "First name:", "Surname:", "Date of Birth:", and "Department:" on the left; and "Designation:", "Status:", "Date Hired:", "Job Title:", and "Basic Salary:" on the right. At the bottom left, there are radio buttons for "Update Salary by:" with options "Percentage (%)" and "Amount". Below these are corresponding text input fields for "Percentage:" and "Amount:". To the right of these fields, the text "Total Deduction: 0.00" and "Salary after deduction: 0.00" is displayed. A "Reason:" text input field is located below the "Amount:" field. At the bottom of the form, there are three buttons: "Save" (with a floppy disk icon), "+ Calculate", and "X Clear".

Fig. 6

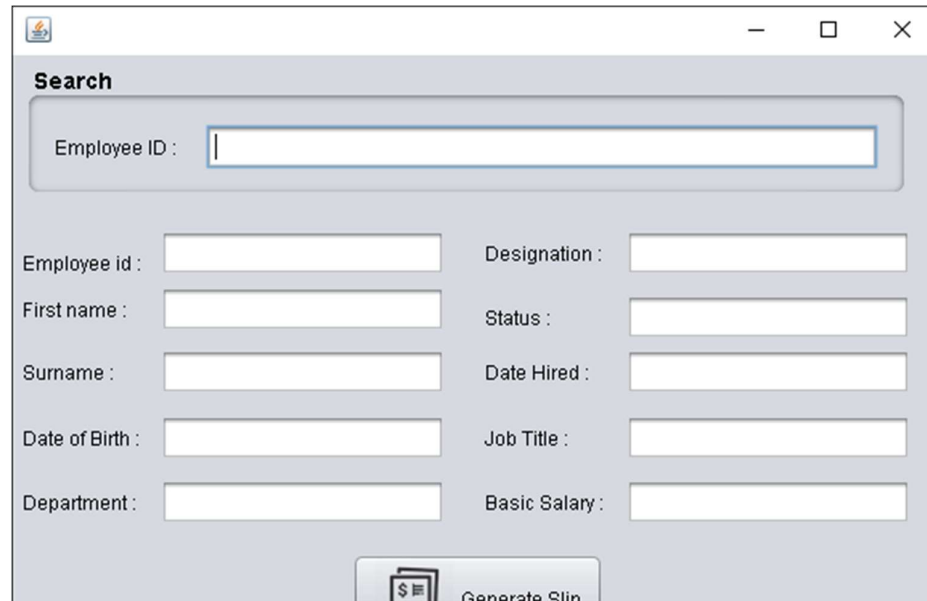
7. Update salary :



The screenshot shows a web application window titled "Search". It features a large text input field for "Employee ID:". Below this, there are two columns of smaller text input fields: "Employee id:", "First name:", and "Surname:" on the left; and "Date of Birth:", "Basic Salary:", and "Department:" on the right. At the bottom left, there are radio buttons for "Update Salary by:" with options "Percentage (%)" and "Amount". Below these are corresponding text input fields for "Percentage:" and "Amount:". To the right of these fields, there is a button labeled "Update" with a circular arrow icon.

Fig. 7

8. Generate slip : INTO pdf format



The screenshot shows a Java Swing window titled "Search". It features a search bar labeled "Employee ID :". Below the search bar, there are two columns of input fields. The left column contains fields for "Employee id :", "First name :", "Surname :", "Date of Birth :", and "Department :". The right column contains fields for "Designation :", "Status :", "Date Hired :", "Job Title :", and "Basic Salary :". At the bottom center of the window, there is a button with a document icon and the text "Generate Slip".

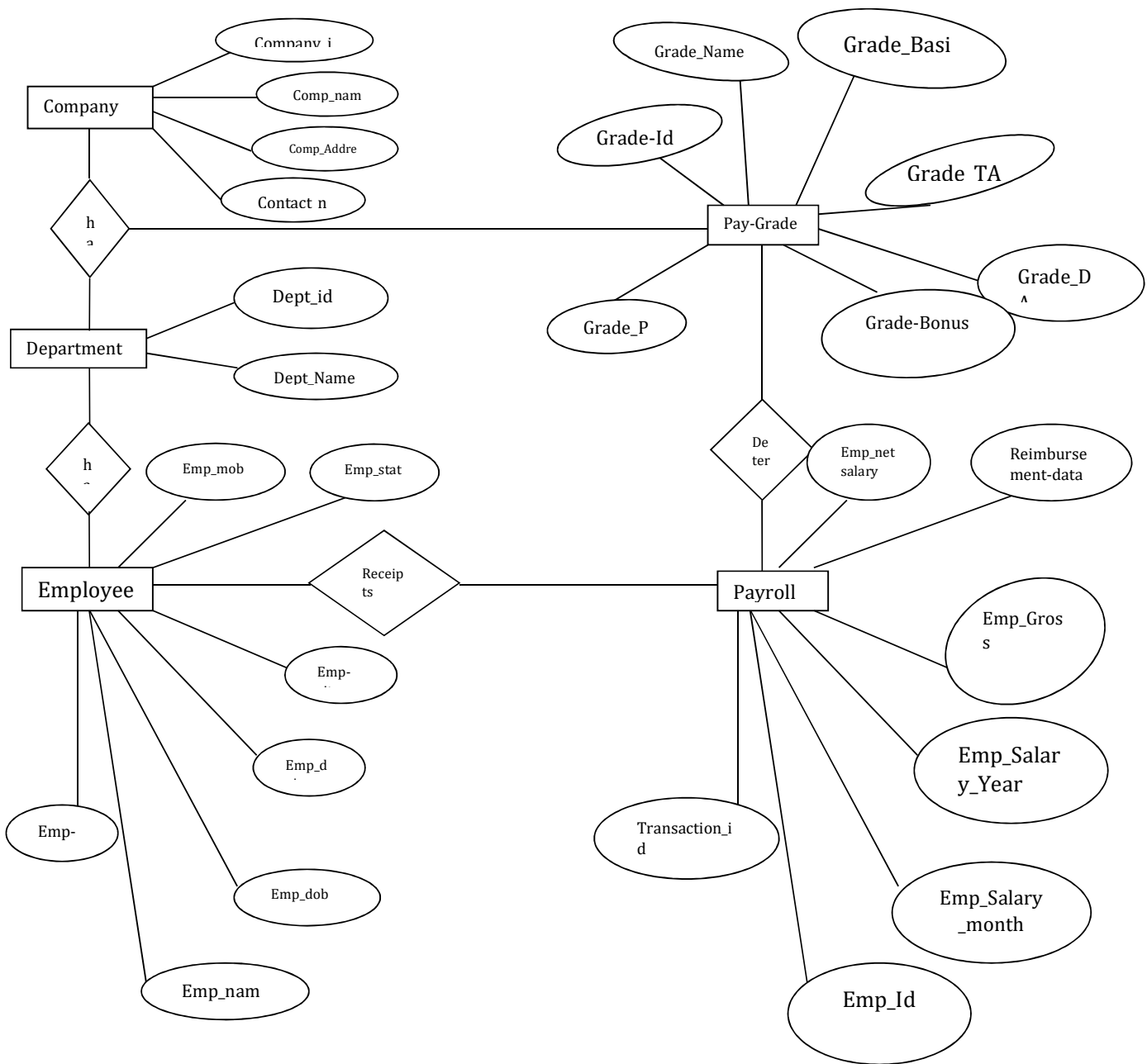
Process of making project :

firstly we make each different (module) forms and save to .java extension then we set all image in other folder and make connectivity with forms to give path of image.

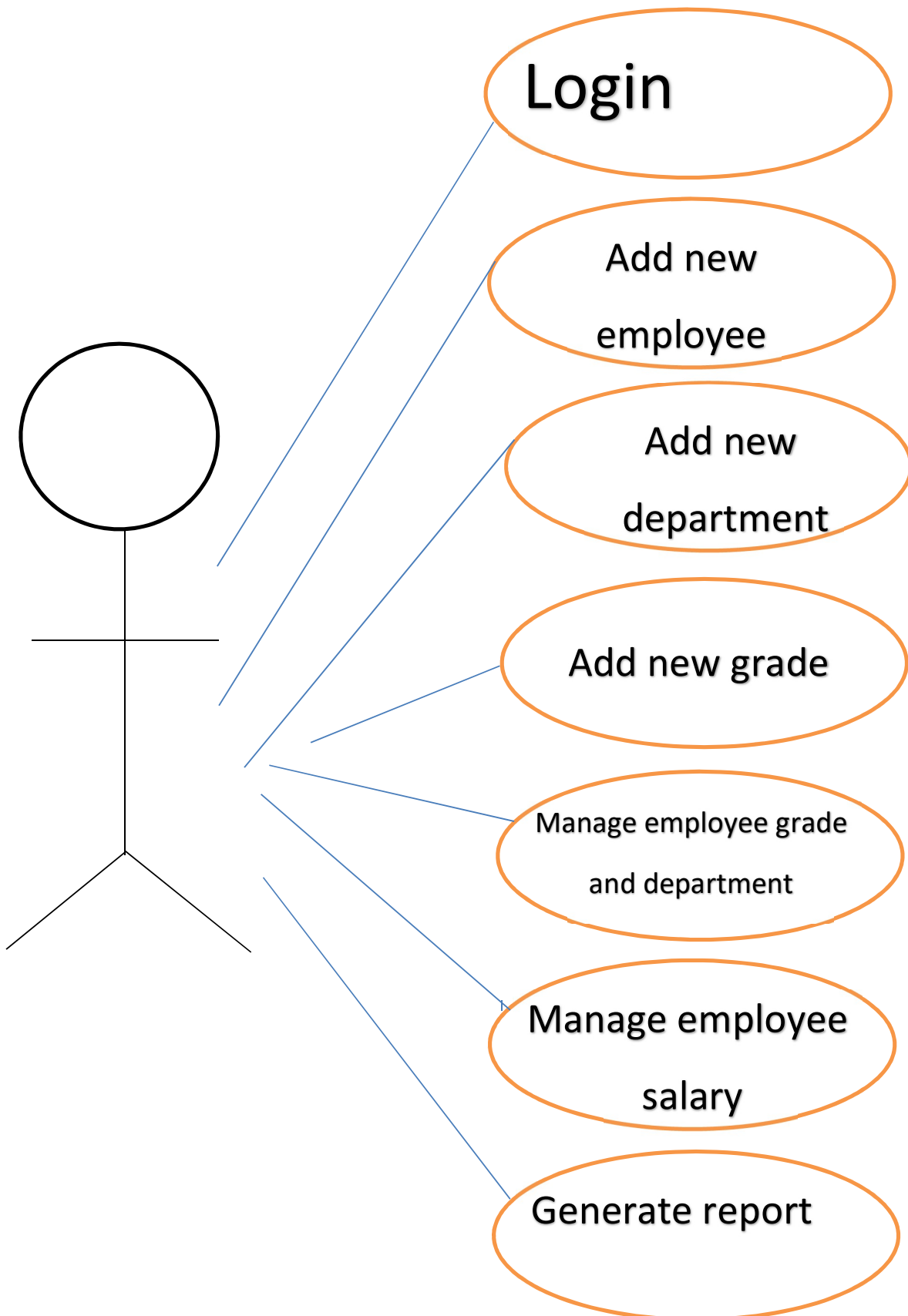
sqlitejdbc-v056.jar files used to connect database and jdatepicker-1.3.4.jar file used to pick date and time to system, itextpdf-5.5.4.jar file used to convert into pdf documents , rs2xml.jar file used to display the data in table format.

Now we convert project into jar file then the help of third party application we convert to .exe file.

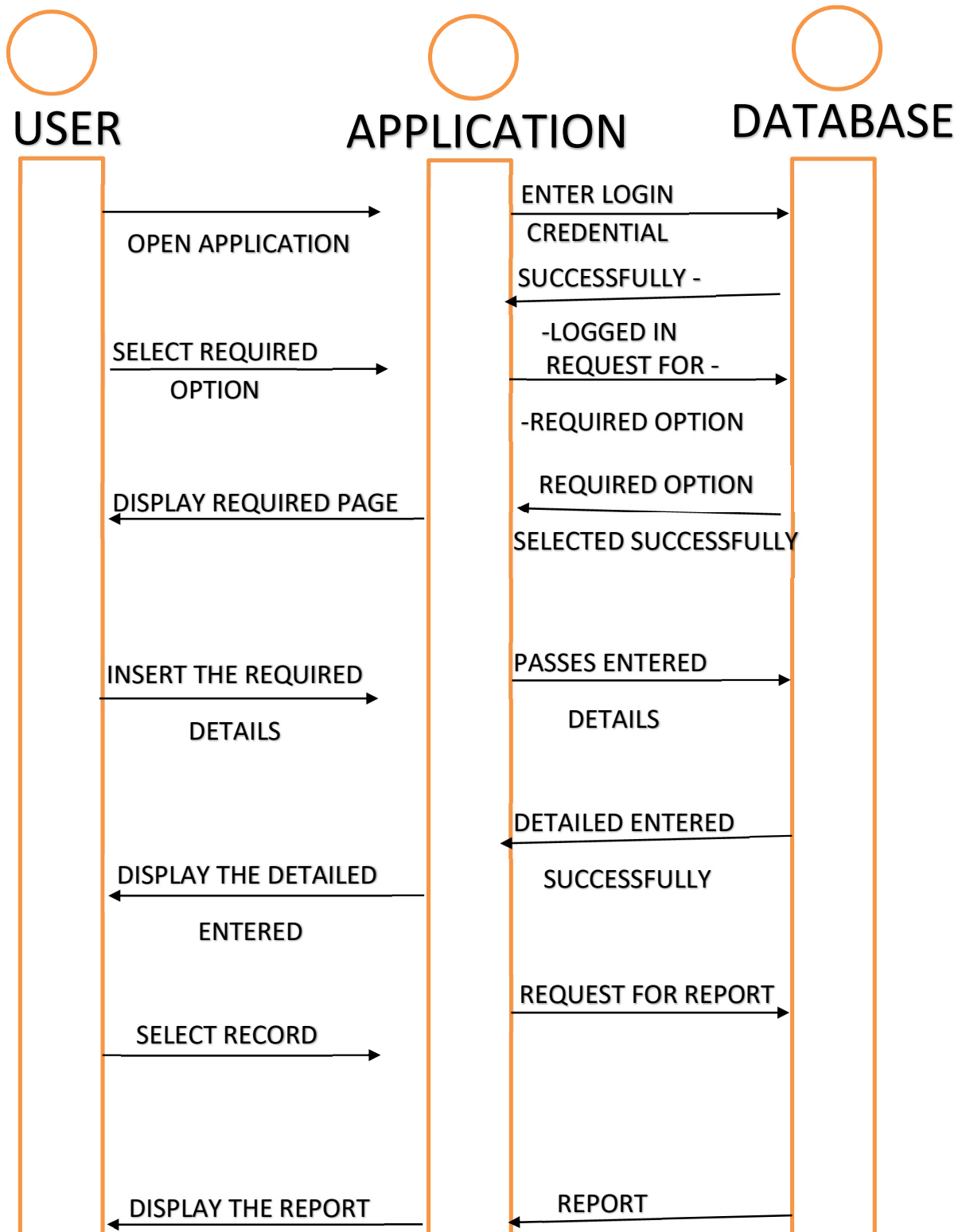
E-R DIAGRAM



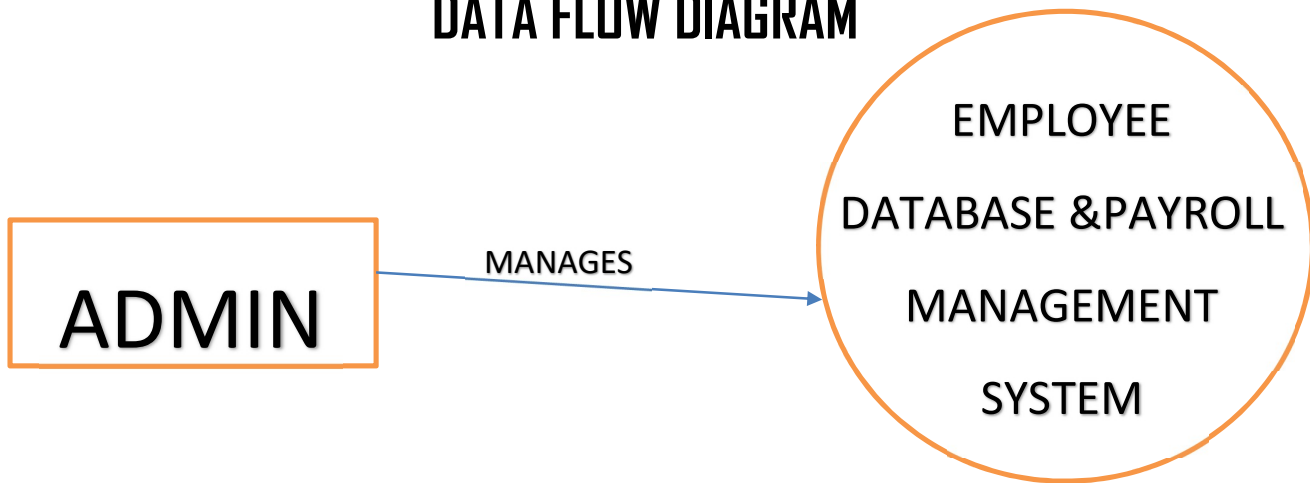
USE CASE DIAGRAM



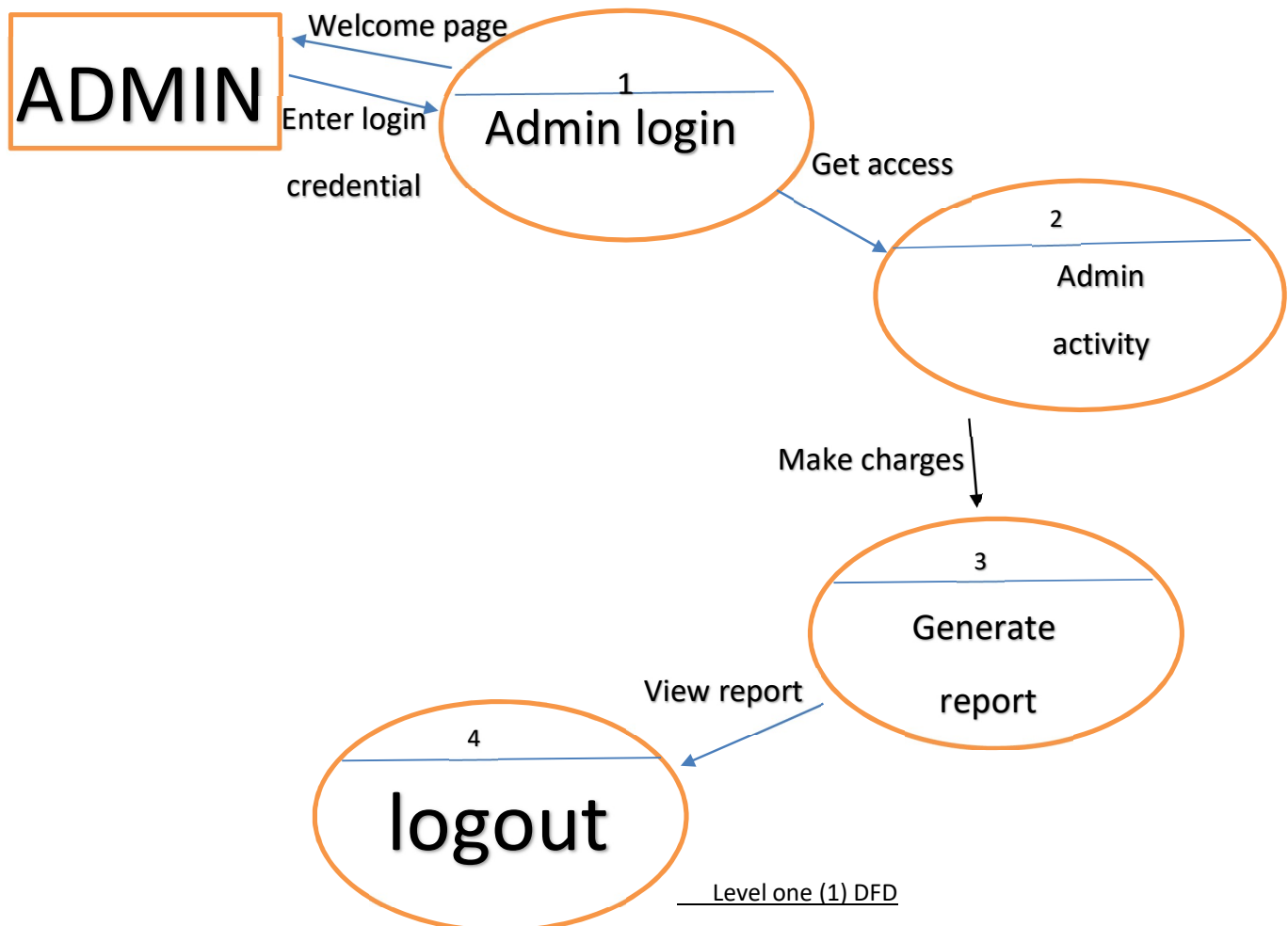
SEQUENCE DIAGRAM



DATA FLOW DIAGRAM



LEVEL ZERO (0) DFD



Level one (1) DFD

Advantages :

- It is cost effective as the user control the web application himself and does not go for professional service.
- It saves time as it speeds up every aspect of the employee database management and payroll process with a range of automated features.
- . It is secure as the employee database and the payroll process is managed by the admin in house rather than sending private information to a third party.
- Validating procedures and checks restrict user from making mistakes.
- . The software is easy to use and is user friendly so no expertise is required.
- The calculations are automated so no chance of error.

VI. Testing

Test/ EMP ID	Test- Purpose	Test-Condition	Expected-Output	Output	Remark
1	Check Username & Password	If user details are not correct, display error message	Grant access to main dashboard.	Access granted to main dashboard	Test successful
2	To add new user to the system	If user already exists, error message should be displayed.	New user should be added.	New user added successfully	Test Successful
3	To view existing employee information	If employee exists, then information should be displayed, else error message should be displayed.	Employee information should be displayed.	Employee information displayed.	Test Successful
4	To remove an employee	If employee exists, then employee should be removed else error message should be displayed.	Employee should be removed.	Employee removed successfully.	Test Successful
5	Update employee information	If employee exists, then information should be updated.	Employee information should be updated.	Employee information updated successfully	Test Successful

VII. Future Scope

The GUI and the features added to this system are the basic ones. In future, there will be a better Graphical User Interface and there will be more features added to this system. If Graphical User Interface is improved then this system will be more user friendly and more features added will make this system a lot better and HR will be able to perform more operations.

MODULE DESCRIPTION

Admin :

The Admin gets logged in by valid username and password. Admin can add new Employee, add new Department, add new Pay Grade for the employees. Admin can set the 'from' and 'to' date worked by an employee in department with specific pay grade. The Admin can generate an automated monthly salary of an employee. The admin can view all the past records of any recorded employee.

SOURCE CODE

Addemployee:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

package employee.payroll.system;

/**
 *
 * @author Hyrex
 */

import java.awt.*;
import java.awt.image.BufferedImage;
import java.io.ByteArrayOutputStream;
import java.io.File;
import java.io.FileInputStream;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
```

```
import java.util.Date;
import java.util.GregorianCalendar;
import javax.imageio.ImageIO;
import javax.swing.*.*;
import net.proteanit.sql.DbUtils;
```

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

```
    Connection conn=null;
```

```
    ResultSet rs=null;
```

```
    PreparedStatement pst=null;
```

```
    /**
```

```
     * Creates new form Staff_details
```

```
     */
```

```
    public addEmployee() {
```

```
        initComponents();
```

```
        conn=db.java_db();
```

```
        Toolkit toolkit = getToolkit();
```

```
        Dimension size = toolkit.getScreenSize();
```

```
        setLocation(size.width/2 - getWidth()/2,
```

```
        size.height/2 - getHeight()/2);
```

```
        currentDate();
```

```
        txt_emp.setText(String.valueOf(Emp.empId).toString());
```

```
    }
```

```
    public void currentDate (){
```

```
        Calendar cal =new GregorianCalendar();
```

```
        int month = cal.get(Calendar.MONTH);
```

```
        int year = cal.get(Calendar.YEAR);
```

```
        int day = cal.get(Calendar.DAY_OF_MONTH);
```

```
lbl_date.setText((month+1)+"/"+day+"/"+year);
```

```
//Time
```

```
int second = cal.get(Calendar.SECOND);
```

```
int minute = cal.get(Calendar.MINUTE);
```

```
int hour = cal.get(Calendar.HOUR);
```

```
lbl_time.setText(hour+": "+(minute)+": "+second);
```

```
}
```

```
/**
```

```
 * This method is called from within the constructor to initialize the form.
```

```
 * WARNING: Do NOT modify this code. The content of this method is always
```

```
 * regenerated by the Form Editor.
```

```
 */
```

```
@SuppressWarnings("unchecked")
```

```
// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN: initComponents
```

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

```
    jMenuBar2 = new javax.swing.JMenuBar();
```

```
    jMenu1 = new javax.swing.JMenu();
```

```
    jMenu2 = new javax.swing.JMenu();
```

```
    jPanel3 = new javax.swing.JPanel();
```

```
    jLabel7 = new javax.swing.JLabel();
```

```
    txt_tel = new javax.swing.JTextField();
```

```
    txt_email = new javax.swing.JTextField();
```

```
    jLabel6 = new javax.swing.JLabel();
```

```
    jLabel11 = new javax.swing.JLabel();
```

```
    r_male = new javax.swing.JRadioButton();
```

```
    r_female = new javax.swing.JRadioButton();
```

```
txt_dob = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
txt_surname = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
txt_firstname = new javax.swing.JTextField();
txt_id = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
jDesktopPane1 = new javax.swing.JDesktopPane();
img = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
txt_pc = new javax.swing.JTextField();
txt_aprt = new javax.swing.JTextField();
txt_add2 = new javax.swing.JTextField();
txt_address = new javax.swing.JTextField();
jLabel9 = new javax.swing.JLabel();
txt_dep = new javax.swing.JTextField();
txt_desig = new javax.swing.JTextField();
jLabel13 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
txt_status = new javax.swing.JTextField();
txt_doj = new javax.swing.JTextField();
jLabel12 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
txt_salary = new javax.swing.JTextField();
cmd_save = new javax.swing.JButton();
jButton1 = new javax.swing.JButton();
txt_job = new javax.swing.JTextField();
jLabel20 = new javax.swing.JLabel();
txt_emp = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
```

```
jMenuBar1 = new javax.swing.JMenuBar();  
File = new javax.swing.JMenu();  
jMenuItem1 = new javax.swing.JMenuItem();  
lbl_date = new javax.swing.JMenu();  
lbl_time = new javax.swing.JMenu();
```

```
jMenu1.setText("File");  
jMenuBar2.add(jMenu1);
```

```
jMenu2.setText("Edit");  
jMenuBar2.add(jMenu2);
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);  
setResizable(false);
```

```
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Employee Details",  
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new  
java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```
jLabel7.setText("Contact :");
```

```
jLabel6.setText("Email :");
```

```
jLabel11.setText("Gender:");
```

```
r_male.setText("Male");  
r_male.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        r_maleActionPerformed(evt);  
    }  
});
```

```
r_female.setText("Female");  
r_female.addActionListener(new java.awt.event.ActionListener() {
```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            r_femaleActionPerformed(evt);
        }
    });

jLabel3.setText("Date of Birth :");

jLabel2.setText("Surname :");

jLabel1.setText("First name :");

txt_firstname.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_firstnameActionPerformed(evt);
    }
});

txt_id.setEditable(false);

jLabel5.setText("Employee id :");

jDesktopPane1.setLayer(img, javax.swing.JLayeredPane.DEFAULT_LAYER);

javax.swing.GroupLayout jDesktopPane1Layout = new javax.swing.GroupLayout(jDesktopPane1);
jDesktopPane1.setLayout(jDesktopPane1Layout);
jDesktopPane1Layout.setHorizontalGroup(
    jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jDesktopPane1Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(img, javax.swing.GroupLayout.DEFAULT_SIZE, 231, Short.MAX_VALUE)
            .addGap(10, 10, 10))
        );
jDesktopPane1Layout.setVerticalGroup(
    jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```
.addGroup(jDesktopPane1Layout.createSequentialGroup()
    .addContainerGap()
    .addComponent(img, javax.swing.GroupLayout.DEFAULT_SIZE, 145, Short.MAX_VALUE)
    .addContainerGap())
);

jLabel8.setText("Address Line 1 :");

jLabel14.setText("Address Line 2 :");

jLabel15.setText("Apt./House No :");

jLabel16.setText("Post Code :");

txt_apt.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_aptActionPerformed(evt);
    }
});

jLabel9.setText("Department :");

jLabel13.setText("Designation :");

jLabel17.setText("Status :");

jLabel12.setText("Basic Salary :");

jLabel18.setText("Date Hired :");

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



```
});
```

```
cmd_save.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Save-icon.png"))); // NOI18N  
cmd_save.setText("Add Record");  
cmd_save.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        cmd_saveActionPerformed(evt);  
    }  
});
```

```
jButton1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-128.png"))); // NOI18N  
jButton1.setText("Clear");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(evt);  
    }  
});
```

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

```
jLabel20.setText("Job Title :");
```

```
javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);  
jPanel3.setLayout(jPanel3Layout);  
jPanel3Layout.setHorizontalGroup(  
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel3Layout.createSequentialGroup()  
            .addContainerGap()
```

```

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addGroup(jPanel3Layout.createSequentialGroup())
                .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                    .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel6)
    .addComponent(jLabel7)
    .addComponent(jLabel11))
    .addGap(81, 81, 81)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addComponent(txt_email, javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(txt_tel, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 168, Short.MAX_VALUE))
    .addGroup(jPanel3Layout.createSequentialGroup())
        .addComponent(r_male)
        .addGap(4, 4, 4)
        .addComponent(r_female))))
    .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(jLabel1)
    .addComponent(jLabel2)
    .addComponent(jLabel3)
    .addComponent(jLabel5))
    .addGap(58, 58, 58)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
    .addComponent(txt_surname, javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(txt_id, javax.swing.GroupLayout.Alignment.LEADING)
    .addComponent(txt_firstname)
    .addComponent(txt_dob, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 168, Short.MAX_VALUE))))

```

```

        .addGap(18, 18, 18)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)

            .addGroup(jPanel3Layout.createSequentialGroup())

                .addComponent(jLabel20)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(jPanel3Layout.createSequentialGroup())

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel18)

            .addComponent(jLabel12)

            .addComponent(jLabel13)

            .addComponent(jLabel9))

            .addGap(28, 28, 28)

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

            .addComponent(txt_doj)

            .addComponent(txt_salary)

            .addComponent(txt_status)

            .addComponent(txt_dep)

            .addComponent(txt_desig, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE)))

            .addComponent(jLabel17))

        .addGap(18, 18, 18)

        .addComponent(jDesktopPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(jPanel3Layout.createSequentialGroup())

            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addComponent(jLabel14)

                .addComponent(jLabel15)

                .addComponent(jLabel16)

                .addComponent(jLabel8))

            .addGap(48, 48, 48)

```

```

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)

        .addComponent(txt_pc, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_add2, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_address, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_apt, javax.swing.GroupLayout.PREFERRED_SIZE, 260,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(18, 18, 18)

        .addComponent(cmd_save, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 134,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(33, Short.MAX_VALUE))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup())

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

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jDesktopPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

.addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(txt_desig, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(jLabel13))

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel17)
        .addComponent(txt_status, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(6, 6, 6)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel18)
        .addComponent(txt_doj, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
        .addComponent(jLabel5)
        .addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addGap(7, 7, 7)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)
        .addComponent(txt_firstname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel2)
        .addComponent(txt_surname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addComponent(jLabel3)
        .addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

```

```

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel12)
    .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel11)
    .addComponent(r_male)
    .addComponent(r_female))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(jLabel20)
    .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
.addGap(18, 18, 18)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_email, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel6))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_tel, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel7))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(cmd_save, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
    .addComponent(txt_address, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
    .addComponent(jLabel8))

```

```

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txt_add2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel14))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(txt_apr, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addComponent(jLabel15))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel16)
        .addComponent(txt_pc, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(141, 141, 141))
);

txt_emp.setText("emp");

jLabel10.setText("Logged in As :");

File.setText("File");

jMenuItem1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/attach.png"))); // NOI18N
jMenuItem1.setText("Attach Image");
jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem1ActionPerformed(evt);
    }
});
File.add(jMenuItem1);

```

```
jMenuBar1.add(File);
```

```
lbl_date.setText("Date");
```

```
jMenuBar1.add(lbl_date);
```

```
lbl_time.setText("Time");
```

```
jMenuBar1.add(lbl_time);
```

```
setJMenuBar(jMenuBar1);
```

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

```
getContentPane().setLayout(layout);
```

```
layout.setHorizontalGroup(
```

```
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(layout.createParallelGroup()
```

```
            .addContainerGap()
```

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

```
                .addGroup(layout.createParallelGroup()
```

```
                    .addComponent(jLabel10)
```

```
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
                    .addComponent(txt_emp))
```

```
                .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
```

```
javax.swing.GroupLayout.DEFAULT_SIZE, 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.createParallelGroup()
```

```
            .addContainerGap()
```

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

```
                .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE, 30, Short.MAX_VALUE)
```

```
                .addComponent(txt_emp))
```

```
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```



```
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, 497,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(28, 28, 28))

    );
```

```
        pack();

    } // </editor-fold> // GEN-END: initComponents
```

```
private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_jMenuItem1ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    JFileChooser chooser = new JFileChooser();
    chooser.showOpenDialog(null);
    File f = chooser.getSelectedFile();
```

```
    filename = f.getAbsolutePath();
```

```
    ImageIcon imageIcon = new ImageIcon(new ImageIcon(filename).getImage().getScaledInstance(img.getWidth(),
img.getHeight(), Image.SCALE_DEFAULT));
```

```
    img.setIcon(imageIcon);
```

```
    try {
```

```
        File image = new File(filename);
```

```
        FileInputStream fis = new FileInputStream (image);
```

```
        ByteArrayOutputStream bos= new ByteArrayOutputStream();
```

```
        byte[] buf = new byte[1024];
```

```
        for(int readNum; (readNum=fis.read(buf))!=-1; ){
```

```
            bos.write(buf,0,readNum);
```

```
        }
```

```
        person_image=bos.toByteArray();
```

```
    }
```

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

```
JOptionPane.showMessageDialog(null,e);
```

```
}
```

```
//GEN-LAST:event_jMenuItem1ActionPerformed
```

```
private void txt_jobActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_txt_jobActionPerformed
```

```
    // TODO add your handling code here:
```

```
//GEN-LAST:event_txt_jobActionPerformed
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_jButton1ActionPerformed
```

```
    // TODO add your handling code here:
```

```
txt_id.setText("");
```

```
txt_firstname.setText("");
```

```
txt_surname.setText("");
```

```
txt_tel.setText("");
```

```
txt_dob.setText("");
```

```
txt_email.setText("");
```

```
txt_address.setText("");
```

```
txt_dep.setText("");
```

```
txt_status.setText("");
```

```
txt_salary.setText("");
```

```
txt_add2.setText("");
```

```
txt_pc.setText("");
```

```
txt_desig.setText("");
```

```
txt_job.setText("");
```

```
txt_apr.setText("");
```

```
txt_doj.setText("");
```

```
img.setIcon(null);
```

```
//GEN-LAST:event_jButton1ActionPerformed
```

```
private void cmd_saveActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_cmd_saveActionPerformed
```

```
    // TODO add your handling code here:
```

```

int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to add record?", "Add
Record",JOptionPane.YES_NO_OPTION);

if(p==0){

try {

String sql ="insert into Staff_information "
+ "(first_name,surname,Dob,Email,"
+ "Telephone,Address,Department,"
+ "Image,Salary,Gender,Address2,"
+ "Post_code, Designation,Status,job_title,Apartment,Date_hired) values (?,?,?,?,?,?,?,?,?,?,?,?,?,?) ";

pst=conn.prepareStatement(sql);

pst.setString(1,txt_firstname.getText());
pst.setString(2,txt_surname.getText());
pst.setString(3,txt_dob.getText());
pst.setString(4,txt_email.getText());
pst.setString(5,txt_tel.getText());
pst.setString(6,txt_address.getText());
pst.setString(7,txt_dep.getText());
pst.setBytes(8,person_image);

pst.setString(9,txt_salary.getText());
pst.setString(10,gender);
pst.setString(11,txt_add2.getText());
pst.setString(12,txt_pc.getText());
pst.setString(13,txt_desig.getText());
pst.setString(14,txt_status.getText());
pst.setString(15,txt_job.getText());
pst.setString(16,txt_apartment.getText());
pst.setString(17,txt_doj.getText());

```

```

        pst.execute();

        JOptionPane.showMessageDialog(null,"Data is saved successfully");

    }

    catch (Exception e)

    {
        JOptionPane.showMessageDialog(null,e);
    }

    try {

        String sq ="select * from Staff_information where (id) NOT IN (select emp_id from Users)";
        pst=conn.prepareStatement(sq);
        rs=pst.executeQuery();

        while(rs.next()){

            String add1 =rs.getString("id");
            String add2 =rs.getString("first_name");
            String add3 =rs.getString("Dob");
            String result =add3.replace("/", "");
            String add4 =rs.getString("Department");

            String sql ="insert into Users (division,username,password,emp_id) values
            (""+add4+"" ,""+add2+"" ,""+result+"" ,""+add1+"" ) ";
            pst=conn.prepareStatement(sql);

            pst.execute();

            JOptionPane.showMessageDialog(null,"User account has been created successfully: " +" Username: ""+add2+
            " Password: ""+result);

        }

    }catch (Exception e)

```

```
{  
    JOptionPane.showMessageDialog(null,e);  
}
```

```
finally {
```

```
    try{  
        rs.close();  
        pst.close();
```

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

```
Date currentDate = GregorianCalendar.getInstance().getTime();
```

```
DateFormat df = DateFormat.getDateInstance();
```

```
String dateString = df.format(currentDate);
```

```
Date d = new Date();
```

```
SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
```

```
String timeString = sdf.format(d);
```

```
String value0 = timeString;
```

```
String value1 = dateString;
```

```
String val = txt_emp.getText().toString();
```

```
    try{
```

```
        String reg= "insert into Audit (emp_id, date, status) values ('"+val+"','"+value0+" / '"+value1+"','Added  
Record')";
```

```
        pst=conn.prepareStatement(reg);
```

```
        pst.execute();
```

```
    }
```

```
catch (Exception e)
```

```
{
```

```
    JOptionPane.showMessageDialog(null,e);
```

```
}
```

```
finally {
```

```
    try{
```

```
        rs.close();
```

```
        pst.close();
```

```
    }
```

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

```
    JOptionPane.showMessageDialog(null,e);
```

```
}
```

```
}
```

```
}
```

```
}
```

```
//GEN-LAST:event_cmd_saveActionPerformed
```

```
private void txt_salaryActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_txt_salaryActionPerformed
```

```
    // TODO add your handling code here:
```

```
//GEN-LAST:event_txt_salaryActionPerformed
```

```
private void txt_aprActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_aprActionPerformed
```

```
    // TODO add your handling code here:
```

```
//GEN-LAST:event_txt_aprActionPerformed
```

```
private void txt_firstnameActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_txt_firstnameActionPerformed
```

```
    // TODO add your handling code here:
```

```
//GEN-LAST:event_txt_firstnameActionPerformed
```

```
private void r_femaleActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_r_femaleActionPerformed
```

```
    // TODO add your handling code here:
```

```
    gender ="Female";
```

```
    r_female.setSelected(true);
```

```
    r_male.setSelected(false);
```

```
}//GEN-LAST:event_r_femaleActionPerformed
```

```
private void r_maleActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_r_maleActionPerformed
```

```
    // TODO add your handling code here:
```

```
    gender ="Male";
```

```
    r_male.setSelected(true);
```

```
    r_female.setSelected(false);
```

```
}//GEN-LAST:event_r_maleActionPerformed
```

```
/**
```

```
 * @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(addEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(addEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(addEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(addEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>
//</editor-fold>
//</editor-fold>
//</editor-fold>

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JMenu File;
private javax.swing.JButton cmd_save;
private javax.swing.JLabel img;
private javax.swing.JButton jButton1;
private javax.swing.JDesktopPane jDesktopPane1;
private javax.swing.JLabel jLabel1;

```



```
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel3;
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.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuBar jMenuBar2;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JPanel jPanel3;
private javax.swing.JMenu lbl_date;
private javax.swing.JMenu lbl_time;
private javax.swing.JRadioButton r_female;
private javax.swing.JRadioButton r_male;
private javax.swing.JTextField txt_add2;
private javax.swing.JTextField txt_address;
private javax.swing.JTextField txt_apt;
private javax.swing.JTextField txt_dep;
private javax.swing.JTextField txt_desig;
private javax.swing.JTextField txt_dob;
private javax.swing.JTextField txt_doj;
```

```
private javax.swing.JTextField txt_email;
private javax.swing.JLabel txt_emp;
private javax.swing.JTextField txt_firstname;
private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_job;
private javax.swing.JTextField txt_pc;
private javax.swing.JTextField txt_salary;
private javax.swing.JTextField txt_status;
private javax.swing.JTextField txt_surname;
private javax.swing.JTextField txt_tel;

// End of variables declaration//GEN-END:variables
```

```
private ImageIcon format = null;
```

```
//strin filename
```

```
String filename = null;
```

```
byte[] person_image = null;
```

```
private String gender;
```

```
}
```

Allowance:

```
package employee.payroll.system;
```

```
import java.awt.Dimension;
```

```
import java.awt.Toolkit;
```

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

```
import java.awt.image.BufferedImage;
```

```
import java.io.ByteArrayOutputStream;
```

```

import java.io.File;
import java.io.FileInputStream;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import java.text.DateFormat;
import java.text.SimpleDateFormat;
import java.util.Calendar;
import java.util.Date;
import java.util.GregorianCalendar;
import javax.imageio.ImageIO;
import javax.swing.*.*;
import net.proteanit.sql.DbUtils;

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

/**
 *
 * @author Hyrex
 */
public class Allowance extends javax.swing.JFrame {

    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;

    /**
     * Creates new form Allowance
     */
    public Allowance() {
        initComponents();
        conn=db.java_db();
    }

```

```

Update_table();

Toolkit toolkit = getToolkit();
Dimension size = toolkit.getScreenSize();
setLocation(size.width/2 - getWidth()/2,
size.height/2 - getHeight()/2);

txt_emp.setText(String.valueOf(Emp.empId).toString());

}

private void Update_table() {
try{
    String sql ="select * from allowance";
    pst=conn.prepareStatement(sql);
    rs=pst.executeQuery();
    table_allowance.setModel(DbUtils.resultSetToTableModel(rs));
}
catch(Exception e){
JOptionPane.showMessageDialog(null, e);
}
finally {

    try{
        rs.close();
        pst.close();

    }

    catch(Exception e){

    }

}
}
}

```

```

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents
private void initComponents() {

    jPanel1 = new javax.swing.JPanel();
    txt_empid = new javax.swing.JTextField();
    txt_dob = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    txt_salary = new javax.swing.JTextField();
    txt_dept = new javax.swing.JTextField();
    txt_surname = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    txt_firstname = new javax.swing.JTextField();
    jPanel2 = new javax.swing.JPanel();
    txt_med = new javax.swing.JTextField();
    txt_bonus = new javax.swing.JTextField();
    txt_other = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();

```

```
jLabel8 = new javax.swing.JLabel();
jLabel13 = new javax.swing.JLabel();
txt_hw = new javax.swing.JTextField();
jLabel4 = new javax.swing.JLabel();
txt_total_overtime = new javax.swing.JTextField();
txt_per = new javax.swing.JTextField();
jLabel15 = new javax.swing.JLabel();
jLabel11 = new javax.swing.JLabel();
jButton2 = new javax.swing.JButton();
jPanel4 = new javax.swing.JPanel();
jLabel14 = new javax.swing.JLabel();
txt_search = new javax.swing.JTextField();
txt_cal = new javax.swing.JButton();
jButton1 = new javax.swing.JButton();
jScrollPane1 = new javax.swing.JScrollPane();
table_allowance = new javax.swing.JTable();
jLabel10 = new javax.swing.JLabel();
lbl_total = new javax.swing.JLabel();
txt_emp = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
jMenuBar1 = new javax.swing.JMenuBar();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setResizable(false);

txt_empid.setEditable(false);

txt_dob.setEditable(false);

jLabel3.setText("Date of Birth :");

jLabel2.setText("Surname :");

jLabel1.setText("First name :");
```

```
jLabel5.setText("Employee id :");
```

```
jLabel12.setText("Basic Salary :");
```

```
txt_salary.setEditable(false);
```

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

```
txt_dept.setEditable(false);
```

```
txt_surname.setEditable(false);
```

```
jLabel9.setText("Department :");
```

```
txt_firstname.setEditable(false);
```

```
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);  
jPanel1.setLayout(jPanel1Layout);  
jPanel1Layout.setHorizontalGroup(  
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel1Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)  
                .addGroup(jPanel1Layout.createSequentialGroup()  
                    .addComponent(jLabel9)  
                    .addPreferredGap(LayoutStyle.ComponentPlacement.RELATED,  
                        javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
                    .addComponent(txt_dept, javax.swing.GroupLayout.PREFERRED_SIZE, 161,  
                        javax.swing.GroupLayout.PREFERRED_SIZE))  
                .addGroup(jPanel1Layout.createSequentialGroup()  

```

```

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel1)
            .addComponent(jLabel2)
            .addComponent(jLabel3)
            .addComponent(jLabel5)
            .addComponent(jLabel12))
        .addGap(18, 18, 18)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(txt_firstname)
                .addComponent(txt_empid)
                .addComponent(txt_surname)
                .addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE))))))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );
    jPanel1Layout.setVerticalGroup(
        jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addGap(19, 19, 19)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel5)
                .addComponent(txt_empid, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(4, 4, 4)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel1)
                .addComponent(txt_firstname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel2)

```



```

        .addComponent(txt_surname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(9, 9, 9)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel3)

            .addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jLabel12))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

            .addComponent(jLabel9)

            .addComponent(txt_dept, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addContainerGap(23, Short.MAX_VALUE))

    );

```

```

txt_med.setText("0");

txt_med.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        txt_medActionPerformed(evt);

    }

});

```

```

txt_bonus.setText("0");

```

```

txt_other.setText("0");

```

```

jLabel6.setText("Medical :");

```

```

jLabel7.setText("Bouns :");

```

```
jLabel8.setText("Other :");
```

```
jLabel13.setFont(new java.awt.Font("Arial", 1, 14)); // NOI18N
```

```
jLabel13.setText("Please enter the amounts");
```

```
txt_hw.setText("0");
```

```
jLabel4.setText("Overtime :");
```

```
txt_total_overtime.setEditable(false);
```

```
txt_total_overtime.setText("0");
```

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

```
txt_per.setEditable(false);
```

```
txt_per.setText("0");
```

```
jLabel15.setText("Total Overtime:");
```

```
jLabel11.setText("Rate Per Hour :");
```

```
javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
```

```
jPanel2.setLayout(jPanel2Layout);
```

```
jPanel2Layout.setHorizontalGroup(  
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                .addComponent(jLabel4)  
                .addGroup(jPanel2Layout.createSequentialGroup()  
                    .addGap(10, 10, 10)  
                    .addComponent(txt_per)  
                    .addGap(10, 10, 10)  
                    .addComponent(txt_total_overtime)  
                )  
            )  
        )  
    );
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addComponent(jLabel15)  
            .addGap(10, 10, 10)  
            .addComponent(txt_hw)  
            .addGap(10, 10, 10)  
            .addComponent(txt_per)  
            .addGap(10, 10, 10)  
            .addComponent(txt_total_overtime)  
        )  
    );
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addComponent(jLabel11)  
            .addGap(10, 10, 10)  
            .addComponent(txt_per)  
            .addGap(10, 10, 10)  
            .addComponent(txt_total_overtime)  
        )  
    );
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addComponent(jLabel4)  
            .addGap(10, 10, 10)  
            .addComponent(txt_per)  
            .addGap(10, 10, 10)  
            .addComponent(txt_total_overtime)  
        )  
    );
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addComponent(jLabel15)  
            .addGap(10, 10, 10)  
            .addComponent(txt_hw)  
            .addGap(10, 10, 10)  
            .addComponent(txt_per)  
            .addGap(10, 10, 10)  
            .addComponent(txt_total_overtime)  
        )  
    );
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addComponent(jLabel11)  
            .addGap(10, 10, 10)  
            .addComponent(txt_per)  
            .addGap(10, 10, 10)  
            .addComponent(txt_total_overtime)  
        )  
    );
```

```
        .addGroup(jPanel2Layout.createSequentialGroup()  
            .addGap(10, 10, 10)  
            .addComponent(jLabel4)  
            .addGap(10, 10, 10)  
            .addComponent(txt_per)  
            .addGap(10, 10, 10)  
            .addComponent(txt_total_overtime)  
        )  
    );
```

```

        .addComponent(jLabel6)
        .addComponent(jLabel7)
        .addComponent(jLabel8))
    .addGap(43, 43, 43)
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
        .addComponent(txt_med, javax.swing.GroupLayout.DEFAULT_SIZE, 126, Short.MAX_VALUE)
        .addComponent(txt_bonus)
        .addComponent(txt_other)
        .addComponent(txt_hw, javax.swing.GroupLayout.Alignment.TRAILING))))
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel15)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(txt_total_overtime))
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addComponent(jLabel11)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(txt_per)))
        .addContainerGap())
    .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()
        .addContainerGap(206, Short.MAX_VALUE)
        .addComponent(jLabel13)
        .addGap(114, 114, 114))
    );

jPanel2Layout.setVerticalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jLabel13)
            .addGap(26, 26, 26)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(jPanel2Layout.createSequentialGroup()
                    .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

```

```

        .addComponent(jLabel4)

        .addComponent(txt_hw, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(txt_med, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel6)))

        .addGroup(jPanel2Layout.createSequentialGroup()

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel15)

        .addComponent(txt_total_overtime, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel11)

        .addComponent(txt_per, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel7)

        .addComponent(txt_bonus, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(txt_other, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel8))

        .addGap(40, 40, 40))
    );

```

```

    jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Save-
icon.png"))); // NOI18N

```

```

    jButton2.setText("Save");

```

```

    jButton2.addActionListener(new java.awt.event.ActionListener() {

        public void actionPerformed(java.awt.event.ActionEvent evt) {

```

```
jButton2ActionPerformed(evt);  
}  
});
```

```
jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",  
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new  
java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```
jLabel14.setText("Employee ID:");
```

```
txt_search.addContainerListener(new java.awt.event.ContainerAdapter() {  
    public void componentRemoved(java.awt.event.ContainerEvent evt) {  
        txt_searchComponentRemoved(evt);  
    }  
});
```

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

```
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyReleased(java.awt.event.KeyEvent evt) {  
        txt_searchKeyReleased(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);  
jPanel4.setLayout(jPanel4Layout);  
jPanel4Layout.setHorizontalGroup(  
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel4Layout.createSequentialGroup()  
            .addGap(18, 18, 18)  
            .addComponent(jLabel14)  
            .addGap(18, 18, 18)
```

```

        .addComponent(txt_search)
        .addContainerGap()
    );

    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel14))
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

    txt_cal.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Calculate.png"))); // NOI18N
    txt_cal.setText("Calculate");
    txt_cal.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_calActionPerformed(evt);
        }
    });

    jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-
128.png"))); // NOI18N
    jButton1.setText("Clear");
    jButton1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton1ActionPerformed(evt);
        }
    });

    table_allowance.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null},

```

[illegible]

```

        .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 543,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(layout.createSequentialGroup()

                .addComponent(jLabel10)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(lbl_total, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

            .addGroup(layout.createSequentialGroup()

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(txt_cal, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE)

                    .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 126,
javax.swing.GroupLayout.PREFERRED_SIZE))

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

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

            .addGroup(layout.createSequentialGroup()

                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

                .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

            .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        .addGroup(layout.createSequentialGroup()

            .addComponent(jLabel16)

            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

            .addComponent(txt_emp)))

        .addContainerGap()

    );

    layout.setVerticalGroup(

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(layout.createSequentialGroup()

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

```



```

        .addGap(17, 17, 17)

        .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(18, 18, 18)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

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

            .addGroup(layout.createSequentialGroup()

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED_SIZE, 234,
javax.swing.GroupLayout.PREFERRED_SIZE))

            .addGroup(layout.createSequentialGroup()

                .addGap(54, 54, 54)

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                    .addComponent(jLabel10)

                    .addComponent(lbl_total))

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

                .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(txt_cal, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 31,
javax.swing.GroupLayout.PREFERRED_SIZE)))

            .addGap(14, 14, 14)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

                .addComponent(jLabel16, javax.swing.GroupLayout.DEFAULT_SIZE, 30, Short.MAX_VALUE)

                .addComponent(txt_emp)))

    );

    pack();

```

```
///  
//</editor-fold>GEN-END:initComponents
```

```
private void txt_medActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_medActionPerformed
```

```
    // TODO add your handling code here:
```

```
GEN-LAST:event_txt_medActionPerformed
```

```
private void txt_searchComponentRemoved(java.awt.event.ContainerEvent evt) {GEN-FIRST:event_txt_searchComponentRemoved
```

```
    // TODO add your handling code here:
```

```
GEN-LAST:event_txt_searchComponentRemoved
```

```
private void txt_searchActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_searchActionPerformed
```

```
    // TODO add your handling code here:
```

```
GEN-LAST:event_txt_searchActionPerformed
```

```
private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {GEN-FIRST:event_txt_searchKeyReleased
```

```
    // TODO add your handling code here:
```

```
try{
```

```
    String sql ="select * from Staff_information where id=? ";
```

```
    pst=conn.prepareStatement(sql);
```

```
    pst.setString(1,txt_search.getText());
```

```
    rs=pst.executeQuery();
```

```
    String add1 =rs.getString("id");
```

```
    txt_empid.setText(add1);
```

```
    String add2 =rs.getString("first_name");
```

```
    txt_firstname.setText(add2);
```

```
    String add3 =rs.getString("surname");
```

```
    txt_surname.setText(add3);
```

```
String add4 =rs.getString("Dob");  
txt_dob.setText(add4);
```

```
String add5 =rs.getString("Salary");  
txt_salary.setText(add5);
```

```
String add6 =rs.getString("Department");  
txt_dept.setText(add6);
```

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

```
finally {
```

```
    try{
```

```
        rs.close();  
        pst.close();
```

```
    }
```

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

```
    }
```

```
}
```

```
//GEN-LAST:event_txt_searchKeyReleased
```

```
private void txt_salaryActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_salaryActionPerformed
    // TODO add your handling code here:
}GEN-LAST:event_txt_salaryActionPerformed
```

```
private void txt_calActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_calActionPerformed
    // TODO add your handling code here:
```

```
int salary = Integer.parseInt(txt_salary.getText());
int overtime = Integer.parseInt(txt_hw.getText());
```

```
double eight = 8;
double days = 25;
double dbop = 0;
double overtimeRate = 1.5;
```

```
//calculate the total hours of overtime
double Total_Overtime = overtime * overtimeRate;
String x = String.valueOf(Total_Overtime);
txt_total_overtime.setText(x);
```

```
//calculate overall overtime
dbop = salary /days/eight;
String s = String.valueOf(dbop);
txt_per.setText(s);
```

```
int med = Integer.parseInt(txt_med.getText());
int bonus = Integer.parseInt(txt_bonus.getText());
int other = Integer.parseInt(txt_other.getText());
int f = med+bonus+other;
double calc = Total_Overtime * dbop+f;
String c = String.valueOf(calc);
lbl_total.setText(c);
```

```
}//GEN-LAST:event_txt_calActionPerformed
```

```
private void lbl_totalKeyTyped(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_lbl_totalKeyTyped  
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_lbl_totalKeyTyped
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton1ActionPerformed  
    // TODO add your handling code here:
```

```
    txt_empid.setText("");  
    txt_firstname.setText("");  
    txt_surname.setText("");  
    txt_salary.setText("");  
    txt_dob.setText("");  
    txt_dept.setText("");  
    txt_med.setText("0");  
    txt_bonus.setText("0");  
    txt_other.setText("0");  
    txt_hw.setText("0");  
    txt_per.setText("0");  
    txt_total_overtime.setText("0");  
    lbl_total.setText("0.00");
```

```
}//GEN-LAST:event_jButton1ActionPerformed
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton2ActionPerformed  
    // TODO add your handling code here:
```

```
    if (txt_empid.getText().equals("")) {  
        JOptionPane.showMessageDialog(null, "Employee id Field is empty");  
    } else if (txt_firstname.getText().equals("")) {  
        JOptionPane.showMessageDialog(null, "First name Field is empty");  
    } else if (txt_surname.getText().equals("")) {
```

```

JOptionPane.showMessageDialog(null, "Surname name Field is empty");

}

else if (txt_dob.getText().equals("")) {

    JOptionPane.showMessageDialog(null, "Date of Birth name Field is empty");

}

else if (txt_salary.getText().equals("")) {

    JOptionPane.showMessageDialog(null, "Salary Field is empty");

}

else if (txt_dept.getText().equals("")) {

    JOptionPane.showMessageDialog(null, "Department Field is empty");

}

else {

    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to save record?", "Add
Record",JOptionPane.YES_NO_OPTION);

    if(p==0){

        try {

            int value = Emp.empId;

            String value1 = txt_salary.getText();

            String value2 = txt_bonus.getText();

            String value3 = txt_med.getText();

            String value4 = txt_other.getText();

            String value5 = txt_per.getText();

            String value6 = txt_hw.getText();

            String value7 = lbl_total.getText();

```

```
String value8 = txt_empid.getText();
```

```
String value9 = txt_firstname.getText();
```

```
String value10 = txt_surname.getText();
```

```
String sql= "insert into Allowance  
(created_by,emp_id,overtime,medical,bonus,other,salary,rate,total_allowance,firstname,surname) values  
('"+value+"','"+value8+"','"+value6+"','"+value3+"','"+value2+"','"+value4+"','"+value1+"','"+value5+"','"+value7+"','"+value9+"','"+value10+"')";
```

```
pst=conn.prepareStatement(sql);
```

```
pst.execute();
```

```
JOptionPane.showMessageDialog(null, "Allowance Added");
```

```
}
```

```
catch (Exception e)
```

```
{
```

```
JOptionPane.showMessageDialog(null,e);
```

```
}
```

```
try{
```

```
Date currentDate = GregorianCalendar.getInstance().getTime();
```

```
DateFormat df = DateFormat.getDateInstance();
```

```
String dateString = df.format(currentDate);
```

```
Date d = new Date();
```

```
SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
```

```
String timeString = sdf.format(d);
```

```
String value0 = timeString;
```

```
String values = dateString;
```

```
String val = txt_emp.getText().toString();
```

```
String reg= "insert into Audit (emp_id, date, status) values ('"+val+"','"+value0+" / "+values+"','Updated Allowance Record')";
```

```
    pst=conn.prepareStatement(reg);
```

```
    pst.execute();
```

```
    }
```

```
catch (Exception e)
```

```
{
```

```
    JOptionPane.showMessageDialog(null,e);
```

```
}
```

```
finally {
```

```
try{
```

```
    rs.close();
```

```
    pst.close();
```

```
}
```

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

```
}
```

```
}
```

```
}
```

```
}
```

```
Update_table();
```

```
}//GEN-LAST:event_jButton2ActionPerformed
```

```
private void txt_total_overtimeActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_total_overtimeActionPerformed
```

```
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_txt_total_overtimeActionPerformed
```

```
/**
```

```
 * @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(Allowance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Allowance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Allowance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Allowance.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>
    //</editor-fold>

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

```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
```

```
private javax.swing.JButton jButton1;  
private javax.swing.JButton jButton2;  
private javax.swing.JLabel jLabel1;  
private javax.swing.JLabel jLabel10;  
private javax.swing.JLabel jLabel11;  
private javax.swing.JLabel jLabel12;  
private javax.swing.JLabel jLabel13;  
private javax.swing.JLabel jLabel14;  
private javax.swing.JLabel jLabel15;  
private javax.swing.JLabel jLabel16;  
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.JMenuBar jMenuBar1;  
private javax.swing.JPanel jPanel1;  
private javax.swing.JPanel jPanel2;  
private javax.swing.JPanel jPanel4;  
private javax.swing.JScrollPane jScrollPane1;  
private javax.swing.JLabel lbl_total;  
private javax.swing.JTable table_allowance;  
private javax.swing.JTextField txt_bonus;  
private javax.swing.JButton txt_cal;  
private javax.swing.JTextField txt_dept;  
private javax.swing.JTextField txt_dob;  
private javax.swing.JLabel txt_emp;  
private javax.swing.JTextField txt_empid;  
private javax.swing.JTextField txt_firstname;  
private javax.swing.JTextField txt_hw;
```

```
private javax.swing.JTextField txt_med;
private javax.swing.JTextField txt_other;
private javax.swing.JTextField txt_per;
private javax.swing.JTextField txt_salary;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_surname;
private javax.swing.JTextField txt_total_overtime;
// End of variables declaration//GEN-END:variables
}
```

Audit_detail:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package employee.payroll.system;
import javax.swing.JOptionPane;
```

```

import java.awt.*;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.util.Calendar;

import java.util.GregorianCalendar;

import javax.swing.*;

import net.proteanit.sql.DbUtils;


/**
 *
 * @author Hyrex
 */
public class Audit_details extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form Audit_details
     */
    public Audit_details() {
        initComponents();

        conn=db.java_db();

        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();

        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);

        Update_table3();

    }

    private void Update_table3() {

```

```

try{

    String sql ="select * from Audit";

    pst=conn.prepareStatement(sql);
    rs=pst.executeQuery();
    tbl_3.setModel(DbUtils.resultSetToTableModel(rs));

}
catch(Exception e){
OptionPane.showMessageDialog(null, e);
}
finally {

    try{
        rs.close();
        pst.close();

    }
    catch(Exception e){

    }

}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")

```

```

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
private void initComponents() {

    jPanel3 = new javax.swing.JPanel();
    jScrollPane3 = new javax.swing.JScrollPane();
    tbl_3 = new javax.swing.JTable();
    jButton1 = new javax.swing.JButton();
    jPanel4 = new javax.swing.JPanel();
    jLabel2 = new javax.swing.JLabel();
    txt_search = new javax.swing.JTextField();

    setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
    setResizable(false);

    jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Login_Record",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N

    tbl_3.setModel(new javax.swing.table.DefaultTableModel(
        new Object [][] {
            {null, null, null, null},
            {null, null, null, null},
            {null, null, null, null},
            {null, null, null, null}
        },
        new String [] {
            "Title 1", "Title 2", "Title 3", "Title 4"
        }
    ));
    jScrollPane3.setViewportView(tbl_3);

    jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-
    128.png"))); // NOI18N
    jButton1.setText("Reset");
    jButton1.addActionListener(new java.awt.event.ActionListener() {

```

```

public void actionPerformed(java.awt.event.ActionEvent evt) {
    jButton1ActionPerformed(evt);
}
});

```

```

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
jPanel3.setLayout(jPanel3Layout);
jPanel3Layout.setHorizontalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT_SIZE, 557, Short.MAX_VALUE)
                .addGroup(jPanel3Layout.createSequentialGroup()
                    .addGap(10, 10, 10)
                    .addComponent(jButton1))
                .addGap(10, 10, 10))
        )
);

```

```

jPanel3Layout.setVerticalGroup(
    jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT_SIZE, 327, Short.MAX_VALUE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jButton1)
            .addGap(6, 6, 6)
        )
);

```

```

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
    javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
    java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N

```

```

jLabel2.setText("Employee ID:");

```

```
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyReleased(java.awt.event.KeyEvent evt) {  
        txt_searchKeyReleased(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);  
jPanel4.setLayout(jPanel4Layout);  
jPanel4Layout.setHorizontalGroup(  
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel4Layout.createSequentialGroup()  
            .addGap(18, 18, 18)  
            .addComponent(jLabel2)  
            .addGap(18, 18, 18)  
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 170,  
                javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  
        );  
jPanel4Layout.setVerticalGroup(  
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
        .addGroup(jPanel4Layout.createSequentialGroup()  
            .addGap(18, 18, 18)  
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
                .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,  
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
                .addComponent(jLabel2))  
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  
        );
```

```
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(18, 18, 18)  
            .addComponent(jLabel2)  
            .addGap(18, 18, 18)  
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 170,  
                javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))  
        );
```



```

        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

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

    .addGroup(layout.createSequentialGroup())

    .addContainerGap()

    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, 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(20, 20, 20)

    .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

    .addGap(26, 26, 26)

    .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

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

);

pack();
} // </editor-fold> // GEN-END: initComponents

```

```

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) { // GEN-FIRST:event_txt_searchKeyReleased

    // TODO add your handling code here:

    try{

        String sql ="select * from Audit where emp_id=? ";

        pst=conn.prepareStatement(sql);

        pst.setString(1,txt_search.getText());

        rs=pst.executeQuery();

        tbl_3.setModel(DbUtils.resultSetToTableModel(rs));
    }
}

```

```
}catch(Exception e){  
    JOptionPane.showMessageDialog(null, e);  
}  
finally {
```

```
    try{
```

```
        rs.close();  
        pst.close();
```

```
    }
```

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

```
    }
```

```
}
```

```
}//GEN-LAST:event_txt_searchKeyReleased
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-  
FIRST:event_jButton1ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    Update_table3();
```

```
    txt_search.setText("");
```

```
}//GEN-LAST:event_jButton1ActionPerformed
```

```
/**
```

```
 * @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(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(Audit_details.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
    //</editor-fold>
    //</editor-fold>

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

```

```
// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JScrollPane jScrollPane3;
private javax.swing.JTable tbl_3;
private javax.swing.JTextField txt_search;
// End of variables declaration//GEN-END:variables
}
```

Db:

```
/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package employee.payroll.system;

/**
 *
 * @author Hyrex
 */
```

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

public class db {

    Connection conn=null;

    public static Connection java_db(){

        try{

            Class.forName("org.sqlite.JDBC");

            Connection conn =DriverManager.getConnection("jdbc:sqlite:C:\\Users\\WHITE
DEVIL\\Desktop\\newp\\Employee Payroll System\\Employee Payroll System\\empnet.sqlite");

            JOptionPane.showMessageDialog(null, "Connection to database is successful");

            return conn;

        }catch (Exception e){

            JOptionPane.showMessageDialog(null, e);

            return null;

        }

    }

}
```

EMP:

/*

*** To change this license header, choose License Headers in Project Properties.**

*** To change this template file, choose Tools | Templates**

*** and open the template in the editor.**

***/**

package employee.payroll.system;

/**

*** @author AliHyrex**

***/**

public class Emp {

public static int empld;

}

EmployeeDeduction:

/*

*** To change this license header, choose License Headers in Project Properties.**

*** To change this template file, choose Tools | Templates**

*** and open the template in the editor.**

***/**

package employee.payroll.system;

import java.awt.Dimension;

import java.awt.Toolkit;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Date;

import java.util.GregorianCalendar;

import javax.swing.JOptionPane;

/**

```

* @author Hyrex
*/
public class employeeDeductions extends javax.swing.JFrame {
    Connection conn=null;
    ResultSet rs=null;
    PreparedStatement pst=null;
    /**
    /**
    * Creates new form employeeDeductions
    */
    public employeeDeductions() {
        initComponents();
        conn=db.java_db();

        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
        size.height/2 - getHeight()/2);

        lbl_emp.setText(String.valueOf(Emp.empId).toString());

    }

    /**
    * This method is called from within the constructor to initialize the form.
    * WARNING: Do NOT modify this code. The content of this method is always
    * regenerated by the Form Editor.
    */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN: initComponents
    private void initComponents() {

```



```
txt_id = new javax.swing.JTextField();
jPanel4 = new javax.swing.JPanel();
jLabel11 = new javax.swing.JLabel();
txt_search = new javax.swing.JTextField();
txt_firstname = new javax.swing.JTextField();
txt_surname = new javax.swing.JTextField();
txt_dob = new javax.swing.JTextField();
txt_dep = new javax.swing.JTextField();
jLabel13 = new javax.swing.JLabel();
jLabel20 = new javax.swing.JLabel();
jLabel19 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
jLabel17 = new javax.swing.JLabel();
txt_desig = new javax.swing.JTextField();
txt_status = new javax.swing.JTextField();
txt_doj = new javax.swing.JTextField();
txt_job = new javax.swing.JTextField();
txt_salary = new javax.swing.JTextField();
jLabel9 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel7 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jLabel6 = new javax.swing.JLabel();
jButton1 = new javax.swing.JButton();
jLabel1 = new javax.swing.JLabel();
jLabel5 = new javax.swing.JLabel();
jButton2 = new javax.swing.JButton();
txt_Save = new javax.swing.JButton();
txt_reason = new javax.swing.JTextField();
lbl_total = new javax.swing.JLabel();
lbl_emp = new javax.swing.JLabel();
jLabel10 = new javax.swing.JLabel();
r_percentage = new javax.swing.JRadioButton();
jLabel12 = new javax.swing.JLabel();
```

```
r_amount2 = new javax.swing.JRadioButton();
txt_deduction = new javax.swing.JTextField();
txt_percentage = new javax.swing.JTextField();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel2 = new javax.swing.JLabel();
lbl_sal = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
```

```
txt_id.setEditable(false);
```

```
jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```
jLabel11.setText("Employee ID :");
```

```
txt_search.addContainerListener(new java.awt.event.ContainerAdapter() {
    public void componentRemoved(java.awt.event.ContainerEvent evt) {
        txt_searchComponentRemoved(evt);
    }
});
```

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

```
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(evt);
    }
});
```

```

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jLabel11)
            .addGap(18, 18, 18)
            .addComponent(txt_search)
            .addGap(18, 18, 18)
        )
);
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel11))
            .addGap(18, 18, 18)
        )
);

txt_firstname.setEditable(false);
txt_firstname.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_firstnameActionPerformed(evt);
    }
});

txt_surname.setEditable(false);

txt_dob.setEditable(false);

txt_dep.setEditable(false);

```

```
jLabel13.setText("Basic Salary :");
```

```
jLabel20.setText("Job Title :");
```

```
jLabel19.setText("Date Hired :");
```

```
jLabel18.setText("Status :");
```

```
jLabel17.setText("Designation :");
```

```
txt_desig.setEditable(false);
```

```
txt_status.setEditable(false);
```

```
txt_doj.setEditable(false);
```

```
txt_job.setEditable(false);
```

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

```
txt_salary.setEditable(false);
```

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

```
jLabel9.setText("Department :");
```

```
jLabel8.setText("Date of Birth :");
```

```
jLabel7.setText("Surname :");
```

```
jLabel4.setText("First name :");
```

```
jLabel6.setText("Employee id :");
```

```
jButton1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Calculate.png"))); // NOI18N
```

```
jButton1.setText("Calculate");
```

```
jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        jButton1ActionPerformed(evt);
```

```
    }
```

```
});
```

```
jLabel1.setText("Reason:");
```

```
jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```
jLabel5.setText("Total Deduction:");
```

```
jButton2.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-  
128.png"))); // NOI18N
```

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

```
jButton2.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        jButton2ActionPerformed(evt);
```

```
    }
```

```
});
```

```
txt_Save.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Save-  
icon.png"))); // NOI18N
```

```
txt_Save.setText("Save");
```

```
txt_Save.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        txt_SaveActionPerformed(evt);
    }
});
```

```
lbl_total.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
lbl_total.setText("0.00");
```

```
lbl_emp.setText("emp");
```

```
jLabel10.setText("Logged in As :");
```

```
r_percentage.setText("Percentage (%)");
r_percentage.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        r_percentageActionPerformed(evt);
    }
});
```

```
jLabel12.setText("Update Salary by :");
```

```
r_amount2.setText("Amount");
r_amount2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        r_amount2ActionPerformed(evt);
    }
});
```

```
txt_deduction.setEditable(false);
txt_deduction.setEnabled(false);
```

```
txt_percentage.setEditable(false);
txt_percentage.setEnabled(false);
```

```
jLabel14.setText("Percentage :");
```

```
jLabel15.setText("Amount:");
```

```
jLabel2.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```
jLabel2.setText("Salary after deduction:");
```

```
lbl_sal.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N
```

```
lbl_sal.setText("0.00");
```

```
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()
```

```
                    .addContainerGap()
```

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

```
                        .addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING)
```

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

```
                            .addComponent(jLabel12)
```

```
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
```

```
                            .addComponent(r_percentage)
```

```
                            .addGap(35, 35, 35)
```

```
                            .addComponent(r_amount2))
```

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

```
                            .addComponent(jLabel14)
```

```
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

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

```
                                .addComponent(txt_percentage, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
```

```
                                javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                                .addComponent(txt_reason, javax.swing.GroupLayout.PREFERRED_SIZE, 263,
```

```
                                javax.swing.GroupLayout.PREFERRED_SIZE))))))
```

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

```
.addContainerGap()

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

    .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

    .addGroup(layout.createSequentialGroup())

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel8)

            .addComponent(jLabel7)

            .addComponent(jLabel4)

            .addComponent(jLabel6)

            .addComponent(jLabel9))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

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

        .addComponent(txt_surname, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_firstname)

        .addComponent(txt_dob, javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(txt_id)

        .addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE, 177,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGap(53, 53, 53)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addComponent(jLabel18)

        .addGroup(layout.createSequentialGroup())

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addComponent(jLabel19)

                .addComponent(jLabel13)

                .addComponent(jLabel17)

                .addComponent(jLabel20))

            .addGap(14, 14, 14)

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

                .addComponent(txt_doj)

                .addComponent(txt_salary)

                .addComponent(txt_status)

                .addComponent(txt_desig)
```



```

        .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE, 177,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

        .addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup())

        .addGap(189, 189, 189)

        .addComponent(jLabel15)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(txt_deduction, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(39, 39, 39)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup())

        .addComponent(jLabel5)

        .addGap(18, 18, 18)

        .addComponent(lbl_total, javax.swing.GroupLayout.PREFERRED_SIZE, 63,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(layout.createSequentialGroup())

        .addComponent(jLabel2)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(lbl_sal, javax.swing.GroupLayout.PREFERRED_SIZE, 63,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

        .addGroup(layout.createSequentialGroup())

        .addGap(44, 44, 44)

        .addComponent(txt_Save, javax.swing.GroupLayout.PREFERRED_SIZE, 166,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 166,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 168,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGroup(layout.createSequentialGroup())

        .addContainerGap()

        .addComponent(jLabel10)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addComponent(lbl_emp)))

        .addContainerGap(11, Short.MAX_VALUE))

```

```

);

layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(18, 18, 18)
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addGroup(layout.createSequentialGroup()
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
                        .addComponent(jLabel6)
                        .addComponent(txt_id, 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(jLabel4)
                        .addComponent(txt_firstname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
                    .addGroup(layout.createSequentialGroup()
                        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                            .addComponent(txt_desig, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                            .addComponent(jLabel17))
                            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
                            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                                .addComponent(jLabel18)
                                .addComponent(txt_status, 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(jLabel19)
                                    .addComponent(txt_doj, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                                    .addComponent(txt_surname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

```

```
.addComponent(jLabel7))

.addGap(13, 13, 13)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel20)

.addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(jLabel8))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

.addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

.addComponent(jLabel9)

.addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(59, 59, 59)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(lbl_total))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel2)

.addComponent(lbl_sal)))

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

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel12)

.addComponent(r_percentage)

.addComponent(r_amount2))

.addGap(18, 18, 18)

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

```

        .addComponent(txt_percentage, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(txt_deduction, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel14)

        .addComponent(jLabel15))))

    .addGap(18, 18, 18)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel1)

        .addComponent(txt_reason, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGap(31, 31, 31)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jButton2, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(txt_Save, javax.swing.GroupLayout.PREFERRED_SIZE, 36,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE, 30, Short.MAX_VALUE)

        .addComponent(lbl_emp))

    .addGap(7, 7, 7))

);

```

```

    pack();

```

```

} // </editor-fold> // GEN-END: initComponents

```

```

private void txt_searchComponentRemoved(java.awt.event.ContainerEvent evt) { // GEN-
FIRST:event_txt_searchComponentRemoved

```

```

    // TODO add your handling code here:

```

```

} // GEN-LAST:event_txt_searchComponentRemoved

```

```

private void txt_searchActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_txt_searchActionPerformed

```

```
// TODO add your handling code here:
} //GEN-LAST:event_txt_searchActionPerformed

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_txt_searchKeyReleased
    // TODO add your handling code here:
    try{

        String sql ="select * from Staff_information where id=? ";

        pst=conn.prepareStatement(sql);
        pst.setString(1,txt_search.getText());
        rs=pst.executeQuery();

        String add1 =rs.getString("id");
        txt_id.setText(add1);

        String add2 =rs.getString("first_name");
        txt_firstname.setText(add2);

        String add3 =rs.getString("surname");
        txt_surname.setText(add3);

        String add4 =rs.getString("Dob");
        txt_dob.setText(add4);

        String add5 =rs.getString("Department");
        txt_dep.setText(add5);

        String add7 =rs.getString("Salary");
        txt_salary.setText(add7);

        String add8 =rs.getString("Status");
        txt_status.setText(add8);
```

```
String add9 =rs.getString("Date_hired");
```

```
txt_doj.setText(add9);
```

```
String add10 =rs.getString("job_title");
```

```
txt_job.setText(add10);
```

```
String add17 =rs.getString("Designation");
```

```
txt_desig.setText(add17);
```

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

```
    JOptionPane.showMessageDialog(null, "No Data");
```

```
}
```

```
finally {
```

```
    try{
```

```
        rs.close();
```

```
        pst.close();
```

```
    }
```

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

```
    }
```

```
}
```

```
//GEN-LAST:event_txt_searchKeyReleased
```

```
private void txt_firstnameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_txt_firstnameActionPerformed
```

```
    // TODO add your handling code here:
```

```
//GEN-LAST:event_txt_firstnameActionPerformed
```

```
private void txt_jobActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_txt_jobActionPerformed
```

```
    // TODO add your handling code here:
```

```
//GEN-LAST:event_txt_jobActionPerformed
```

```
private void txt_salaryActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_salaryActionPerformed
```

```
    // TODO add your handling code here:
```

```
    } //GEN-LAST:event_txt_salaryActionPerformed
```

```
private void txt_SaveActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_SaveActionPerformed
```

```
    // TODO add your handling code here:
```

```
int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to add record?", "Add Record", JOptionPane.YES_NO_OPTION);
```

```
if(p==0){
```

```
    String value3 = lbl_emp.getText();
```

```
    try {
```

```
        String sql = "insert into Deductions (firstname,surname,salary,deduction_amount,deduction_reason,emp_id,made_by) values (?,?,?,?,?,?,"+value3+"");
```

```
        pst=conn.prepareStatement(sql);
```

```
        pst.setString(1,txt_firstname.getText());
```

```
        pst.setString(2,txt_surname.getText());
```

```
        pst.setString(3,txt_salary.getText());
```

```
        pst.setString(4,lbl_total.getText());
```

```
        pst.setString(5,txt_reason.getText());
```

```
        pst.setString(6,txt_id.getText());
```

```
        pst.execute();
```

```
        JOptionPane.showMessageDialog(null, "Data is saved successfully");
```

```
    }
```

```
    catch (Exception e)
```

```
    {
```

```
        JOptionPane.showMessageDialog(null,e);
```

```

    }

    try{
        Date currentDate = GregorianCalendar.getInstance().getTime();

        DateFormat df = DateFormat.getDateInstance();

        String dateString = df.format(currentDate);

        Date d = new Date();

        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");

        String timeString = sdf.format(d);

        String value0 = timeString;

        String values = dateString;

        String val = lbl_emp.getText().toString();

        String reg= "insert into Audit (emp_id, date, status) values ('"+val+"','"+value0+" / "+values+"','Updated Deduction Record')";

        pst=conn.prepareStatement(reg);

        pst.execute();

    }

    catch (Exception e)

    {

        JOptionPane.showMessageDialog(null,e);

    }

    finally {

        try{

            rs.close();

            pst.close();

        }

        catch(Exception e){

            JOptionPane.showMessageDialog(null,e);

```



```
    }  
    }  
}
```

```
//GEN-LAST:event_txt_SaveActionPerformed
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_jButton1ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    int salary = Integer.parseInt(txt_salary.getText());
```

```
    if(r_percentage.isSelected()== true){  
        int percentage = Integer.parseInt(txt_percentage.getText());  
        //calculate the total hours of overtime  
        int total_percentage_deduction = salary /100 * percentage;  
        String x = String.valueOf(total_percentage_deduction);  
        int sal = salary - total_percentage_deduction;  
        lbl_total.setText(x);  
        lbl_sal.setText(String.valueOf(sal));  
    }
```

```
    if(r_amount2.isSelected()== true){  
        int deduction = Integer.parseInt(txt_deduction.getText());  
        //calculate the total hours of overtime  
        int total_amount_deduction = salary - deduction;  
        String s = String.valueOf(total_amount_deduction);  
  
        lbl_sal.setText(s);  
        lbl_total.setText(String.valueOf(deduction));  
  
    }
```

```
//GEN-LAST:event_jButton1ActionPerformed
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_jButton2ActionPerformed
```

```
// TODO add your handling code here:
```

```
txt_id.setText("");
txt_firstname.setText("");
txt_surname.setText("");
txt_dob.setText("");
txt_dep.setText("");
txt_status.setText("");
txt_salary.setText("");
txt_desig.setText("");
txt_job.setText("");
txt_doj.setText("");
lbl_total.setText("0.00");
txt_percentage.setText("");
txt_deduction.setText("");
txt_reason.setText("");
txt_search.setText("");
lbl_sal.setText("0.00");
```

```
//GEN-LAST:event_jButton2ActionPerformed
```

```
private void r_percentageActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_r_percentageActionPerformed
```

```
// TODO add your handling code here:
```

```
r_percentage.setSelected(true);
r_amount2.setSelected(false);
//r_amount.setEnabled(false);
txt_deduction.setEnabled(false);
txt_percentage.setEditable(true);
txt_percentage.setEnabled(true);
txt_deduction.setText("");
```

```
//GEN-LAST:event_r_percentageActionPerformed
```

```
private void r_amount2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_r_amount2ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    r_amount2.setSelected(true);
```

```
    r_percentage.setSelected(false);
```

```
    //r_percentage.setEnabled(false);
```

```
    txt_percentage.setEnabled(false);
```

```
    txt_deduction.setEditable(true);
```

```
    txt_deduction.setEnabled(true);
```

```
    txt_percentage.setText("");
```

```
//GEN-LAST:event_r_amount2ActionPerformed
```

```
/**
```

```
 * @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(employeeDeductions.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (InstantiationException ex) {
```

```

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

```

```

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton jButton1;
private javax.swing.JButton jButton2;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
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.JPanel jPanel4;
private javax.swing.JLabel lbl_emp;
private javax.swing.JLabel lbl_sal;
private javax.swing.JLabel lbl_total;
private javax.swing.JRadioButton r_amount2;
private javax.swing.JRadioButton r_percentage;
private javax.swing.JButton txt_Save;
private javax.swing.JTextField txt_deduction;
private javax.swing.JTextField txt_dep;
private javax.swing.JTextField txt_desig;
private javax.swing.JTextField txt_dob;
private javax.swing.JTextField txt_doj;
private javax.swing.JTextField txt_firstname;
private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_job;
private javax.swing.JTextField txt_percentage;
private javax.swing.JTextField txt_reason;
private javax.swing.JTextField txt_salary;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_status;
private javax.swing.JTextField txt_surname;
// End of variables declaration//GEN-END:variables
}
```

Employeepayrollsystem:

/*

*** To change this license header, choose License Headers in Project Properties.**

*** To change this template file, choose Tools | Templates**

*** and open the template in the editor.**

***/**

package employee.payroll.system;

/**

*** @author Hyrex**

```

*/

public class EmployeePayrollSystem {

    /**
     * @param args the command line arguments
     */
    public static void main(String[] args) {
        // TODO code application logic here
    }

}

```

Login:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */

package employee.payroll.system;

/**
 *
 * @author Hyrex
 */
import com.sun.glass.events.KeyEvent;
import java.awt.*;

```

```

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import javax.swing.*.*;

import java.util.Calendar;

import java.util.Date;

import java.util.GregorianCalendar;

public class login extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form Login_jframe
     */

    public login() {

        initComponents();

        conn=db.java_db();

        Toolkit toolkit = getToolkit();

        Dimension size = toolkit.getScreenSize();

        setLocation(size.width/2 - getWidth()/2,

        size.height/2 - getHeight()/2);

        currentDate();

    }

    public void currentDate (){

        Calendar cal =new GregorianCalendar();

```



```

int month = cal.get(Calendar.MONTH);
int year = cal.get(Calendar.YEAR);
int day = cal.get(Calendar.DAY_OF_MONTH);

txt_date.setText((month+1)+"/"+day+"/"+year);

int second = cal.get(Calendar.SECOND);
int minute = cal.get(Calendar.MINUTE);
int hour = cal.get(Calendar.HOUR);

lbl_time.setText(hour+": "+(minute)+": "+second);
}

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code"> //GEN-BEGIN: initComponents
private void initComponents() {

    jMenuItem1 = new javax.swing.JMenuItem();
    jMenu1 = new javax.swing.JMenu();
    jRadioButtonMenuItem1 = new javax.swing.JRadioButtonMenuItem();
    jPopupMenu1 = new javax.swing.JPopupMenu();
    jPanel2 = new javax.swing.JPanel();
    cmd_Login = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel6 = new javax.swing.JLabel();
    txt_username = new javax.swing.JTextField();
    txt_password = new javax.swing.JPasswordField();

```

```
txt_combo = new javax.swing.JComboBox();

jLabel3 = new javax.swing.JLabel();
jLabel4 = new javax.swing.JLabel();
jMenuBar1 = new javax.swing.JMenuBar();
jMenu2 = new javax.swing.JMenu();
jMenuItem2 = new javax.swing.JMenuItem();
jMenu3 = new javax.swing.JMenu();
txt_date = new javax.swing.JMenu();
lbl_time = new javax.swing.JMenu();

jMenuItem1.setText("jMenuItem1");

jMenu1.setText("jMenu1");

jRadioButtonMenuItem1.setSelected(true);
jRadioButtonMenuItem1.setText("jRadioButtonMenuItem1");

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setResizable(false);

jPanel2.setLayout(null);

cmd_Login.setText("Login");
cmd_Login.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_LoginActionPerformed(evt);
    }
});

cmd_Login.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyPressed(java.awt.event.KeyEvent evt) {
        cmd_LoginKeyPressed(evt);
    }
});

jPanel2.add(cmd_Login);
```

```
cmd_Login.setBounds(140, 470, 70, 30);
```

```
jLabel1.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel1.setText("Username:");
```

```
jPanel2.add(jLabel1);
```

```
jLabel1.setBounds(10, 360, 70, 16);
```

```
jLabel2.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel2.setText("Password:");
```

```
jPanel2.add(jLabel2);
```

```
jLabel2.setBounds(10, 400, 70, 16);
```

```
jLabel6.setFont(new java.awt.Font("Tahoma", 1, 11)); // NOI18N
```

```
jLabel6.setForeground(new java.awt.Color(255, 255, 255));
```

```
jLabel6.setText("Please enter your username and password");
```

```
jPanel2.add(jLabel6);
```

```
jLabel6.setBounds(10, 320, 241, 14);
```

```
jPanel2.add(txt_username);
```

```
txt_username.setBounds(100, 350, 132, 30);
```

```
txt_password.addActionListener(new java.awt.event.ActionListener() {
```

```
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
        txt_passwordActionPerformed(evt);
```

```
    }
```

```
});
```

```
txt_password.addKeyListener(new java.awt.event.KeyAdapter() {
```

```
    public void keyPressed(java.awt.event.KeyEvent evt) {
```

```
        txt_passwordKeyPressed(evt);
```

```
    }
```

```
});
```

```
jPanel2.add(txt_password);
```

```
txt_password.setBounds(100, 390, 132, 30);
```

```
txt_combo.setModel(new javax.swing.DefaultComboBoxModel(new String[] { "Admin", "Sales" }));
```

```

txt_combo.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_comboActionPerformed(evt);
    }
});

jPanel2.add(txt_combo);

txt_combo.setBounds(100, 430, 130, 30);


jLabel3.setForeground(new java.awt.Color(255, 255, 255));
jLabel3.setText("Select Position:");
jPanel2.add(jLabel3);
jLabel3.setBounds(10, 440, 100, 16);


jLabel4.setForeground(new java.awt.Color(255, 255, 255));
jLabel4.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/bk3.jpg"))); // NOI18N
jPanel2.add(jLabel4);
jLabel4.setBounds(0, 0, 790, 510);


jMenu2.setText("File");


jMenuItem2.setAccelerator(javax.swing.KeyStroke.getKeyStroke(java.awt.event.KeyEvent.VK_Q,
java.awt.event.InputEvent.CTRL_DOWN_MASK));
jMenuItem2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Exit.png"))); // NOI18N
jMenuItem2.setText("Exit");
jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem2ActionPerformed(evt);
    }
});
jMenu2.add(jMenuItem2);


jMenuBar1.add(jMenu2);
jMenuBar1.add(jMenu3);

```

```

txt_date.setText("Date");
jMenuBar1.add(txt_date);

lbl_time.setText("Time");
jMenuBar1.add(lbl_time);

setJMenuBar(jMenuBar1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());
getContentPane().setLayout(layout);
layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 788,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE, 509,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(0, 0, Short.MAX_VALUE))
        );

pack();

} // </editor-fold> // GEN-END: initComponents

private void txt_passwordActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_txt_passwordActionPerformed

    // TODO add your handling code here:

} // GEN-LAST:event_txt_passwordActionPerformed

```

```
private void cmd_LoginActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_cmd_LoginActionPerformed
```

```
// TODO add your handling code here:
```

```
if (txt_username.getText().equals("")) {  
    JOptionPane.showMessageDialog(null, "Username Field is empty");  
} else if (txt_password.getText().equals("")) {  
    JOptionPane.showMessageDialog(null, "Password Field is empty");  
} else {
```

```
String sql = "select id,username,password,division from Users Where (username =? and password =? and division =?)";
```

```
    //"select * from Employeeinfo where username=? and password=? and division=? and id=?";  
try{  
    int count =0;
```

```
    pst=conn.prepareStatement(sql);
```

```
    pst.setString(1,txt_username.getText());  
    pst.setString(2,txt_password.getText());  
    pst.setString(3, txt_combo.getSelectedItem().toString());
```

```
    rs=pst.executeQuery();
```

```
{  
}
```

```
while(rs.next()){  
    int id = rs.getInt(1);
```

```
Emp.empld = id;
count =count+1;
}
String access=(txt_combo.getSelectedItem().toString());
```

```
if(access=="Admin") {
```

```
    if(count==1){
        JOptionPane.showMessageDialog(null,"Sucess" );
        MainMenu j = new MainMenu();
        j.setVisible(true);
        this.dispose();
```

```
        Date currentDate = GregorianCalendar.getInstance().getTime();
        DateFormat df = DateFormat.getDateInstance();
        String dateString = df.format(currentDate);
```

```
        Date d = new Date();
        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
        String timeString = sdf.format(d);
```

```
        String value0 = timeString;
        String values = dateString;
```

```
        int value = Emp.empld;
        String reg = "insert into Audit (emp_id,date,status) values ('"+value+"','"+value0+" / '"+values+"','Logged
in')";
        pst=conn.prepareStatement(reg);
        pst.execute();
        this.dispose();
```

```
}
```

```
else if(count>1){
```

```
    JOptionPane.showMessageDialog(null,"Duplicate Username or Password Access denied");
```

```
}
```

```
else{
```

```
    JOptionPane.showMessageDialog(null,"Username and Password is not correct");
```

```
}
```

```
}
```

```
else if(access=="Sales"){
```

```
    if(count ==1){
```

```
        JOptionPane.showMessageDialog(null,"Sucess");
```

```
        MainMenu j = new MainMenu();
```

```
        j.setVisible (true);
```

```
        Date currentDate = GregorianCalendar.getInstance().getTime();
```

```
        DateFormat df = DateFormat.getDateInstance();
```

```
        String dateString = df.format(currentDate);
```

```
        Date d = new Date();
```

```
        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
```

```
        String timeString = sdf.format(d);
```

```
        String value0 = timeString;
```

```
        String values = dateString;
```

```
        int value = Emp.empld;
```



```
String reg = "insert into Audit (emp_id,date,status) values ('"+value+"','"+value0+" / '"+values+"','Logged  
in')";
```

```
pst=conn.prepareStatement(reg);
```

```
pst.execute();
```

```
this.dispose();
```

```
}
```

```
else{
```

```
JOptionPane.showMessageDialog(null,"Username and Password is not correct");
```

```
}
```

```
}
```

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

```
{
```

```
JOptionPane.showMessageDialog(null, e);
```

```
}
```

```
finally {
```

```
try{
```

```
rs.close();
```

```
pst.close();
```

```
}
```

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

```
}
```

```
}
```

```
}
```

```
//GEN-LAST:event_cmd_LoginActionPerformed
```

```
private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_jMenuItem2ActionPerformed
```

```
// TODO add your handling code here:#
```

```

        System.exit(0);
    } //GEN-LAST:event_jMenuItem2ActionPerformed

    private void cmd_LoginKeyPressed(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_cmd_LoginKeyPressed
        // TODO add your handling code here:

    } //GEN-LAST:event_cmd_LoginKeyPressed

    private void txt_passwordKeyPressed(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_txt_passwordKeyPressed
        // TODO add your handling code here:
        if(evt.getKeyCode()==KeyEvent.VK_ENTER)
        {
            String sql = "select id,username,password,division from Users Where (username=? and password=? and
division=?)" ;

            //"select * from Employeeinfo where username=? and password=? and division=? and id=?";
            try{
                int count =0;

                pst=conn.prepareStatement(sql);

                pst.setString(1,txt_username.getText());
                pst.setString(2,txt_password.getText());
                pst.setString(3,txt_combo.getSelectedItem().toString());

                rs=pst.executeQuery();
            }
        }
    } //GEN-LAST:event_txt_passwordKeyPressed

```

```

{
}
while(rs.next()){
    int id = rs.getInt(1);
    Emp.empId = id;
    count =count+1;
}
String access=(txt_combo.getSelectedItem().toString());

if(access == "Admin") {

    if(count==1){
        JOptionPane.showMessageDialog(null,"Success" );
        MainMenu j = new MainMenu();
        j.setVisible(true);
        this.dispose();

        Date currentDate = GregorianCalendar.getInstance().getTime();
        DateFormat df = DateFormat.getDateInstance();
        String dateString = df.format(currentDate);

        Date d = new Date();
        SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
        String timeString = sdf.format(d);

        String value0 = timeString;
        String values = dateString;

        int value = Emp.empId;
        String reg = "insert into Audit (emp_id,date,status) values ('"+value+"','"+value0+" / '"+values+"','Logged
in')";

```

```

        pst=conn.prepareStatement(reg);
        pst.execute();
        this.dispose();
    }

    else if(count>1){
        JOptionPane.showMessageDialog(null,"Duplicate Username or Password Access denied");
    }

    else{
        JOptionPane.showMessageDialog(null,"Username and Password is not correct");

    }

}

}

else if(access=="Sales"){

    if(count ==1){
        JOptionPane.showMessageDialog(null,"Success");
        MainMenu j = new MainMenu();
        j.setVisible (true);

        Date currentDate = GregorianCalendar.getInstance().getTime();
        DateFormat df = DateFormat.getDateInstance();
        String dateString = df.format(currentDate);

        Date d = new Date();

```

```

SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");

String timeString = sdf.format(d);


String value0 = timeString;

String values = dateString;


int value = Emp.empId;

String reg = "insert into Audit (emp_id,date,status) values ('"+value+"','"+value0+" / '"+values+"','Logged
in')";

pst=conn.prepareStatement(reg);

pst.execute();

this.dispose();

}


else{

JOptionPane.showMessageDialog(null,"Username and Password is not correct");

}


}


} catch(Exception e)

{

JOptionPane.showMessageDialog(null, e);

}

finally {

try{

```

```

        rs.close();
        pst.close();

    }
    catch(Exception e){

    }
}

```

```

}

```

```

} //GEN-LAST:event_txt_passwordKeyPressed

```

```

private void txt_comboActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_comboActionPerformed

```

```

    // TODO add your handling code here:

```

```

} //GEN-LAST:event_txt_comboActionPerformed

```

```

/**

```

```

 * @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(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
}
//</editor-fold>
//</editor-fold>
//</editor-fold>
//</editor-fold>

```

```

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

```

// Variables declaration - do not modify//GEN-BEGIN:variables

```

private javax.swing.JButton cmd_Login;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;

```

```

private javax.swing.JLabel jLabel6;
private javax.swing.JMenu jMenu1;
private javax.swing.JMenu jMenu2;
private javax.swing.JMenu jMenu3;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JPanel jPanel2;
private javax.swing.JPopupMenu jPopupMenu1;
private javax.swing.JRadioButtonMenuItem jRadioButtonMenuItem1;
private javax.swing.JMenu lbl_time;
private javax.swing.JComboBox txt_combo;
private javax.swing.JMenu txt_date;
private javax.swing.JPasswordField txt_password;
private javax.swing.JTextField txt_username;
// End of variables declaration//GEN-END:variables
}

```

MainMenu:

/*

* To change this license header, choose License Headers in Project Properties.

* To change this template file, choose Tools | Templates

* and open the template in the editor.

*/

```
package employee.payroll.system;
```

```
import com.itextpdf.text.BaseColor;
```

```
import com.itextpdf.text.pdf.PdfWriter;
```

```
import java.awt.Dimension;
```

```
import java.awt.Toolkit;
```

```
import com.itextpdf.text.Document;
```

```
import com.itextpdf.text.DocumentException;
```

```
import com.itextpdf.text.Element;
```

```
import com.itextpdf.text.Font.FontFamily;
```

```
import com.itextpdf.text.FontFactory;
```

```
import com.itextpdf.text.Paragraph;
```

```
import com.itextpdf.text.Phrase;
```

```
import com.itextpdf.text.pdf.GrayColor;
```

```
import com.itextpdf.text.pdf.PdfPCell;
```

```
import com.itextpdf.text.pdf.PdfWriter;
```

```
import com.itextpdf.text.pdf.PdfPTable;
```

```
import java.awt.Font;
```

```
import java.io.File;
```

```
import java.io.FileNotFoundException;
```

```
import java.io.FileOutputStream;
```

```
import java.io.OutputStream;
```

```
import java.sql.Connection;
```

```
import java.sql.PreparedStatement;
```

```
import java.sql.ResultSet;
```

```
import java.sql.ResultSetMetaData;
```

```
import java.text.DateFormat;
```

```
import java.text.SimpleDateFormat;
```

```
import java.util.logging.Level;
```

```
import java.util.logging.Logger;
```

```
import javax.swing.JFileChooser;
```

```

import javax.swing.JOptionPane;

import java.util.Date;

import java.util.GregorianCalendar;


/**
 *
 * @author Hyrex
 */
public class MainMenu extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form MainMenu
     */
    public MainMenu() {
        initComponents();

        conn=db.java_db();

        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();

        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);

        txt_emp.setText(String.valueOf(Emp.empId).toString());

    }


    /**
     * This method is called from within the constructor to initialize the form.
     * WARNING: Do NOT modify this code. The content of this method is always
     * regenerated by the Form Editor.
     */
    @SuppressWarnings("unchecked")
    // <editor-fold defaultstate="collapsed" desc="Generated Code">
    //GEN-BEGIN: initComponents

```

```
private void initComponents() {

    jMenuBar2 = new javax.swing.JMenuBar();
    jMenu3 = new javax.swing.JMenu();
    jMenu4 = new javax.swing.JMenu();
    jPanel2 = new javax.swing.JPanel();
    jButton6 = new javax.swing.JButton();
    jButton7 = new javax.swing.JButton();
    jButton3 = new javax.swing.JButton();
    jButton2 = new javax.swing.JButton();
    add_employee = new javax.swing.JButton();
    jButton4 = new javax.swing.JButton();
    jButton5 = new javax.swing.JButton();
    jLabel1 = new javax.swing.JLabel();
    txt_emp = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jTextField1 = new javax.swing.JTextField();
    jMenuBar1 = new javax.swing.JMenuBar();
    jMenu1 = new javax.swing.JMenu();
    jMenuItem1 = new javax.swing.JMenuItem();
    jMenu5 = new javax.swing.JMenu();
    jMenuItem6 = new javax.swing.JMenuItem();
    jMenuItem7 = new javax.swing.JMenuItem();
    jMenuItem2 = new javax.swing.JMenuItem();
    btn_menu = new javax.swing.JMenu();
    jMenuItem13 = new javax.swing.JMenuItem();
    jMenuItem5 = new javax.swing.JMenuItem();
    jMenu7 = new javax.swing.JMenu();
    jMenuItem3 = new javax.swing.JMenuItem();

    jMenu3.setText("File");
    jMenuBar2.add(jMenu3);

    jMenu4.setText("Edit");
```

```

jMenuBar2.add(jMenu4);

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setResizable(false);

jPanel2.setLayout(null);

jButton6.setBackground(new java.awt.Color(255, 255, 255));
jButton6.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/logout.png"))); // NOI18N
jButton6.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton6ActionPerformed(evt);
    }
});
jPanel2.add(jButton6);
jButton6.setBounds(950, 10, 40, 30);

jButton7.setFont(new java.awt.Font("Arial", 1, 11)); // NOI18N
jButton7.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Payment.png"))); // NOI18N
jButton7.setText("Payment");
jButton7.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton7ActionPerformed(evt);
    }
});
jPanel2.add(jButton7);
jButton7.setBounds(780, 520, 197, 59);

jButton3.setFont(new java.awt.Font("Arial", 1, 11)); // NOI18N
jButton3.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Deduction.png"))); // NOI18N
jButton3.setText("Deduction");
jButton3.addActionListener(new java.awt.event.ActionListener() {

```

```

        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton3ActionPerformed(evt);
        }
    });

    jPanel2.add(jButton3);
    jButton3.setBounds(560, 520, 197, 59);

    jButton2.setFont(new java.awt.Font("Arial", 1, 11)); // NOI18N
    jButton2.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Allowance.png"))); // NOI18N
    jButton2.setText("Allowance");
    jButton2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jButton2ActionPerformed(evt);
        }
    });
    jPanel2.add(jButton2);
    jButton2.setBounds(560, 450, 197, 59);

    add_employee.setFont(new java.awt.Font("Arial", 1, 11)); // NOI18N
    add_employee.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Add_Employee.png"))); //
    NOI18N
    add_employee.setText("Employee Manager");
    add_employee.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            add_employeeActionPerformed(evt);
        }
    });
    jPanel2.add(add_employee);
    add_employee.setBounds(560, 380, 197, 59);

    jButton4.setFont(new java.awt.Font("Arial", 1, 11)); // NOI18N
    jButton4.setIcon(new
    javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Search.png"))); // NOI18N

```

```

jButton4.setText("Search");

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

jPanel2.add(jButton4);
jButton4.setBounds(780, 380, 197, 59);


jButton5.setFont(new java.awt.Font("Arial", 1, 11)); // NOI18N
jButton5.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Update.png"))); // NOI18N
jButton5.setText("Update Salary");
jButton5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton5ActionPerformed(evt);
    }
});

jPanel2.add(jButton5);
jButton5.setBounds(780, 450, 197, 59);


jLabel1.setForeground(new java.awt.Color(255, 255, 255));
jLabel1.setText("Logged in As :");
jPanel2.add(jLabel1);
jLabel1.setBounds(10, 590, 90, 14);


txt_emp.setForeground(new java.awt.Color(255, 255, 255));
txt_emp.setText("Employee ID");
jPanel2.add(txt_emp);
txt_emp.setBounds(90, 590, 80, 14);


jLabel2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/bk2.jpg"))); // NOI18N
jPanel2.add(jLabel2);

```

```
jLabel2.setBounds(0, 0, 1000, 620);
```

```
jTextField1.setText("jTextField1");
```

```
jMenu1.setText("Employee");
```

```
jMenuItem1.setText("Employee Registration");
```

```
jMenuItem1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jMenuItem1ActionPerformed(evt);  
    }  
});
```

```
jMenu1.add(jMenuItem1);
```

```
jMenuBar1.add(jMenu1);
```

```
jMenu5.setText("Reports");
```

```
jMenuItem6.setText("Employees RP");
```

```
jMenuItem6.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jMenuItem6ActionPerformed(evt);  
    }  
});
```

```
jMenu5.add(jMenuItem6);
```

```
jMenuItem7.setText("Employee Total Allowance RP");
```

```
jMenuItem7.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jMenuItem7ActionPerformed(evt);  
    }  
});
```

```
jMenu5.add(jMenuItem7);
```

```
jMenuItem2.setText("Employee Total Deduction RP");
jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem2ActionPerformed(evt);
    }
});
jMenu5.add(jMenuItem2);

jMenuBar1.add(jMenu5);

btn_menu.setText("Audit");

jMenuItem13.setText("Add User");
jMenuItem13.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem13ActionPerformed(evt);
    }
});
btn_menu.add(jMenuItem13);

jMenuItem5.setText("Audit Trail");
jMenuItem5.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jMenuItem5ActionPerformed(evt);
    }
});
btn_menu.add(jMenuItem5);

jMenuBar1.add(btn_menu);

jMenu7.setText("About");

jMenuItem3.setText("Version 1.0");
jMenu7.add(jMenuItem3);
```



```
jMenuBar1.add(jMenu7);
```

```
setJMenuBar(jMenuBar1);
```

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

```
getContentPane().setLayout(layout);
```

```
layout.setHorizontalGroup(
```

```
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, 996, Short.MAX_VALUE)
```

```
);
```

```
layout.setVerticalGroup(
```

```
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT_SIZE, 616, Short.MAX_VALUE)
```

```
);
```

```
pack();
```

```
// </editor-fold> //GEN-END: initComponents
```

```
private void jMenuItem13ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jMenuItem13ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    users x = new users();
```

```
    x.setVisible(true);
```

```
//GEN-LAST:event_jMenuItem13ActionPerformed
```

```
private void jMenuItem5ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jMenuItem5ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    Audit_details x = new Audit_details();
```

```
    x.setVisible(true);
```

```
}//GEN-LAST:event_jMenuItem5ActionPerformed
```

```
private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton5ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    updateSalary x = new updateSalary();
```

```
    x.setVisible(true);
```

```
}//GEN-LAST:event_jButton5ActionPerformed
```

```
private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton4ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    searchEmployee e = new searchEmployee();
```

```
    e.setVisible(true);
```

```
}//GEN-LAST:event_jButton4ActionPerformed
```

```
private void add_employeeActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_add_employeeActionPerformed
```

```
    // TODO add your handling code here:
```

```
    addEmployee x = new addEmployee();
```

```
    x.setVisible(true);
```

```
}//GEN-LAST:event_add_employeeActionPerformed
```

```
private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton2ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    Allowance x = new Allowance();
```

```
    x.setVisible(true);
```

```
}//GEN-LAST:event_jButton2ActionPerformed
```

```
private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton6ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    login x = new login();
```

```
    x.setVisible(true);
```

```

this.dispose();

try{
    Date currentDate = GregorianCalendar.getInstance().getTime();
    DateFormat df = DateFormat.getDateInstance();
    String dateString = df.format(currentDate);

    Date d = new Date();
    SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
    String timeString = sdf.format(d);

    String value0 = timeString;
    String values = dateString;

    int value = Emp.empId;
    String reg = "insert into Audit (emp_id,date,status) values ('"+value+"','"+value0+" / '"+values+"','Logged
out')";
    pst=conn.prepareStatement(reg);
    pst.execute();
    this.dispose();
}catch (Exception e){

    JOptionPane.showMessageDialog(null, e);

}

finally {

    try{
        rs.close();
        pst.close();

    }

    catch(Exception e){

```

```
}
```

```
}
```

```
}//GEN-LAST:event_jButton6ActionPerformed
```

```
private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_jMenuItem1ActionPerformed
```

```
// TODO add your handling code here:
```

```
addEmployee x = new addEmployee();
```

```
x.setVisible(true);
```

```
}//GEN-LAST:event_jMenuItem1ActionPerformed
```

```
private void jMenuItem6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event_jMenuItem6ActionPerformed
```

```
JFileChooser dialog = new JFileChooser();
```

```
dialog.setSelectedFile(new File("Employees Report.pdf"));
```

```
int dialogResult = dialog.showSaveDialog(null);
```

```
if (dialogResult==JFileChooser.APPROVE_OPTION){
```

```
String filePath = dialog.getSelectedFile().getPath();
```

```
try {
```

```
// TODO add your handling code here:
```

```
String sql ="select * from Staff_information";
```

```
pst=conn.prepareStatement(sql);  
rs=pst.executeQuery();
```

```
Document myDocument = new Document();  
PdfWriter myWriter = PdfWriter.getInstance(myDocument, new FileOutputStream(filePath ));  
PdfPTable table = new PdfPTable(13);  
myDocument.open();
```

```
float[] columnWidths = new float[] {3,8,7,5,5,9,8,9,6,6,6,8,8};  
table.setWidths(columnWidths);
```

```
table.setWidthPercentage(100); //set table width to 100%
```

```
myDocument.add(new Paragraph("Employees  
List",FontFactory.getFont(FontFactory.TIMES_BOLD,20,Font.BOLD )));  
  
myDocument.add(new Paragraph(new Date().toString()));  
  
myDocument.add(new Paragraph("-----"));  
  
table.addCell(new PdfPCell(new  
Paragraph("ID",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));  
  
table.addCell(new PdfPCell(new Paragraph("First  
Name",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));  
  
table.addCell(new PdfPCell(new  
Paragraph("Surname",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));  
  
table.addCell(new PdfPCell(new Paragraph("Date of  
Birth",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));  
  
table.addCell(new PdfPCell(new  
Paragraph("Email",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));  
  
table.addCell(new PdfPCell(new  
Paragraph("Telephone",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));  
  
table.addCell(new PdfPCell(new  
Paragraph("Address",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));
```

```

        table.addCell(new PdfPCell(new
Paragraph("Department",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Gender",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Salary",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Status",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));

        table.addCell(new PdfPCell(new Paragraph("Date
Hired",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));

        table.addCell(new PdfPCell(new Paragraph("Job
Title",FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.BOLD))));

while(rs.next())
{

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(1),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(2),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(3),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(4),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(5),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(6),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(7),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(8),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(10),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(11),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(16),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

```

```

        table.addCell(new PdfPCell(new Paragraph(rs.getString(17),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

        table.addCell(new PdfPCell(new Paragraph(rs.getString(18),FontFactory.getFont(FontFactory.TIMES_ROMAN,8,Font.PLAIN))));

    }


myDocument.add(table);
myDocument.add(new Paragraph("-----"));
myDocument.close();
JOptionPane.showMessageDialog(null,"Report was successfully generated");

}

catch(Exception e){
    JOptionPane.showMessageDialog(null,e);

}

finally {

try{
rs.close();
pst.close();

}

catch(Exception e){
JOptionPane.showMessageDialog(null,e);

}

}

}

}

}

//GEN-LAST:event_jMenuItem6ActionPerformed
```

```

private void jMenuItem7ActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_jMenuItem7ActionPerformed

    // TODO add your handling code here:

    JFileChooser dialog = new JFileChooser();

    dialog.setSelectedFile(new File("Employee Allowance Report.pdf"));

    int dialogResult = dialog.showSaveDialog(null);

    if (dialogResult==JFileChooser.APPROVE_OPTION){

        String filePath = dialog.getSelectedFile().getPath();

    try {

        // TODO add your handling code here:


        String sql ="select * from Allowance";


        pst=conn.prepareStatement(sql);
        rs=pst.executeQuery();


        Document myDocument = new Document();
        PdfWriter myWriter = PdfWriter.getInstance(myDocument, new FileOutputStream(filePath ));
        PdfPTable table = new PdfPTable(11);
        myDocument.open();


        float[] columnWidths = new float[] { 3,7,7,5,5,9,6,5,8,8,8};
        table.setWidths(columnWidths);


        table.setWidthPercentage(100); //set table width to 100%


        myDocument.add(new Paragraph("Employees Allowance
List",FontFactory.getFont(FontFactory.TIMES_BOLD,20,Font.BOLD )));

        myDocument.add(new Paragraph(new Date().toString()));

```



```

        myDocument.add(new Paragraph("-----"));

        table.addCell(new PdfPCell(new
Paragraph("ID",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Overtime",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Medical",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Bonus",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Other",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new Paragraph("Employee
ID",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Salary",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Rate",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Allowance",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new Paragraph("First
Name",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        table.addCell(new PdfPCell(new
Paragraph("Surname",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

        while(rs.next())
        {

            table.addCell(new PdfPCell(new
Paragraph(rs.getString(1),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

            table.addCell(new PdfPCell(new
Paragraph(rs.getString(2),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

            table.addCell(new PdfPCell(new
Paragraph(rs.getString(3),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

            table.addCell(new PdfPCell(new
Paragraph(rs.getString(4),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

            table.addCell(new PdfPCell(new
Paragraph(rs.getString(5),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

```

```

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(6),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(7),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(8),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(9),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(10),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

        table.addCell(new PdfPCell(new
Paragraph(rs.getString(11),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));

    }

    myDocument.add(table);

    myDocument.add(new Paragraph("-----"));

    myDocument.close();

    JOptionPane.showMessageDialog(null,"Report was successfully generated");

}

catch(Exception e){

    JOptionPane.showMessageDialog(null,e);

}

finally {

    try{

        rs.close();

        pst.close();

    }

    catch(Exception e){

        JOptionPane.showMessageDialog(null,e);

```

```
    }  
}  
}
```

```
}//GEN-LAST:event_jMenuItem7ActionPerformed
```

```
private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-  
FIRST:event_jButton3ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    employeeDeductions x = new employeeDeductions();  
    x.setVisible(true);
```

```
}//GEN-LAST:event_jButton3ActionPerformed
```

```
private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-  
FIRST:event_jButton7ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    searchEmpSalarySlip x = new searchEmpSalarySlip();  
    x.setVisible(true);
```

```
}//GEN-LAST:event_jButton7ActionPerformed
```

```
private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-  
FIRST:event_jMenuItem2ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    JFileChooser dialog = new JFileChooser();
```

```

        dialog.setSelectedFile(new File("Employee Deduction Report.pdf"));

        int dialogResult = dialog.showSaveDialog(null);

        if (dialogResult==JFileChooser.APPROVE_OPTION){

            String filePath = dialog.getSelectedFile().getPath();

try {

    // TODO add your handling code here:


    String sql ="select * from Deductions";


    pst=conn.prepareStatement(sql);

    rs=pst.executeQuery();


    Document myDocument = new Document();

    PdfWriter myWriter = PdfWriter.getInstance(myDocument, new FileOutputStream(filePath ));

    PdfPTable table = new PdfPTable(8);

    myDocument.open();


    float[] columnWidths = new float[] { 3,7,7,5,5,9,6,5};

    table.setWidths(columnWidths);


    table.setWidthPercentage(100); //set table width to 100%


    myDocument.add(new Paragraph("Employees Deduction
List",FontFactory.getFont(FontFactory.TIMES_BOLD,20,Font.BOLD )));

    myDocument.add(new Paragraph(new Date().toString()));

    myDocument.add(new Paragraph("-----"));

    table.addCell(new PdfPCell(new
Paragraph("ID",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

    table.addCell(new PdfPCell(new Paragraph("First
Name",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));

```

```
table.addCell(new PdfPCell(new Paragraph("Surname",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));
```

```
table.addCell(new PdfPCell(new Paragraph("Salary",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));
```

```
table.addCell(new PdfPCell(new Paragraph("Deduction Amount",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));
```

```
table.addCell(new PdfPCell(new Paragraph("Deduction Reason",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));
```

```
table.addCell(new PdfPCell(new Paragraph("Employee ID",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));
```

```
table.addCell(new PdfPCell(new Paragraph("Created By",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.BOLD))));
```

```
while(rs.next())
```

```
{
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(1),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(2),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(3),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(4),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(5),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(6),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(7),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
table.addCell(new PdfPCell(new Paragraph(rs.getString(8),FontFactory.getFont(FontFactory.TIMES_ROMAN,9,Font.PLAIN))));
```

```
}
```

```
myDocument.add(table);
```

```
myDocument.add(new Paragraph("-----"));
```

```
myDocument.close();

JOptionPane.showMessageDialog(null,"Report was successfully generated");

}

catch(Exception e){
    JOptionPane.showMessageDialog(null,e);

}

finally {

    try{
        rs.close();
        pst.close();

    }

    catch(Exception e){
        JOptionPane.showMessageDialog(null,e);

    }

}

}
```

```
//GEN-LAST:event_jMenuItem2ActionPerformed
```

```
/**
```

```
 * @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(MainMenu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
```

```
    } catch (InstantiationException ex) {
```

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

```
    } catch (IllegalAccessException ex) {
```

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

```
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
```

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

```
    }
```

```
//</editor-fold>
```

```
//</editor-fold>
```

```

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton add_employee;
private javax.swing.JMenu btn_menu;
private javax.swing.JButton jButton2;
private javax.swing.JButton jButton3;
private javax.swing.JButton jButton4;
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.JMenu jMenu1;
private javax.swing.JMenu jMenu3;
private javax.swing.JMenu jMenu4;
private javax.swing.JMenu jMenu5;
private javax.swing.JMenu jMenu7;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuBar jMenuBar2;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem13;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JMenuItem jMenuItem3;
private javax.swing.JMenuItem jMenuItem5;
private javax.swing.JMenuItem jMenuItem6;
private javax.swing.JMenuItem jMenuItem7;

```



```
private javax.swing.JPanel jPanel2;  
private javax.swing.JTextField jTextField1;  
private javax.swing.JLabel txt_emp;  
// End of variables declaration//GEN-END:variables  
}
```

Searchemployee:

```
/*  
 * To change this license header, choose License Headers in Project Properties.  
 * To change this template file, choose Tools | Templates  
 * and open the template in the editor.  
 */  
package employee.payroll.system;  
  
import java.awt.*;  
  
import java.awt.image.BufferedImage;  
  
import java.io.ByteArrayOutputStream;  
  
import java.io.File;  
  
import java.io.FileInputStream;  
  
import java.sql.Connection;  
  
import java.sql.PreparedStatement;  
  
import java.sql.ResultSet;  
  
import java.text.DateFormat;  
  
import java.text.SimpleDateFormat;  
  
import java.util.Calendar;  
  
import java.util.Date;
```

```

import java.util.GregorianCalendar;

import javax.imageio.ImageIO;

import javax.swing.*.*;

import net.proteanit.sql.DbUtils;


/**
 *
 * @author Hyrex
 */
public class searchEmployee extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form searchEmployee
     */
    public searchEmployee() {
        initComponents();

        conn=db.java_db();

        Update_table();

        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();

        setLocation(size.width/2 - getWidth()/2,
        size.height/2 - getHeight()/2);

        txt_emp.setText(String.valueOf(Emp.empId).toString());
    }
    private void Update_table() {
        try{
            String sql ="select * from Staff_information";

            pst=conn.prepareStatement(sql);

            rs=pst.executeQuery();

            //Table_Employee.setModel(DbUtils.resultSetToTableModel(rs));

        }
    }

```

```

catch(Exception e){
OptionPane.showMessageDialog(null, e);
}
finally {

    try{
        rs.close();
        pst.close();

    }
    catch(Exception e){

    }
}
}
/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
private void initComponents() {

    jCheckBox1 = new javax.swing.JCheckBox();
    panel1 = new java.awt.Panel();
    jPanel4 = new javax.swing.JPanel();
    jLabel11 = new javax.swing.JLabel();
    txt_search = new javax.swing.JTextField();
    jPanel3 = new javax.swing.JPanel();
    jLabel7 = new javax.swing.JLabel();
    txt_tel = new javax.swing.JTextField();
    txt_email = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();

```

```
jLabel12 = new javax.swing.JLabel();
r_male = new javax.swing.JRadioButton();
jRadioButton2 = new javax.swing.JRadioButton();
txt_dob = new javax.swing.JTextField();
jLabel3 = new javax.swing.JLabel();
txt_surname = new javax.swing.JTextField();
jLabel2 = new javax.swing.JLabel();
jLabel1 = new javax.swing.JLabel();
txt_firstname = new javax.swing.JTextField();
txt_id = new javax.swing.JTextField();
jLabel5 = new javax.swing.JLabel();
jLabel8 = new javax.swing.JLabel();
jLabel14 = new javax.swing.JLabel();
jLabel15 = new javax.swing.JLabel();
jLabel16 = new javax.swing.JLabel();
txt_pc = new javax.swing.JTextField();
txt_appt = new javax.swing.JTextField();
txt_add2 = new javax.swing.JTextField();
txt_address = new javax.swing.JTextField();
jDesktopPane1 = new javax.swing.JDesktopPane();
lbl_img = new javax.swing.JLabel();
txt_salary = new javax.swing.JTextField();
jLabel13 = new javax.swing.JLabel();
jLabel20 = new javax.swing.JLabel();
txt_doj = new javax.swing.JTextField();
jLabel19 = new javax.swing.JLabel();
jLabel18 = new javax.swing.JLabel();
txt_status = new javax.swing.JTextField();
txt_desig = new javax.swing.JTextField();
jLabel17 = new javax.swing.JLabel();
jLabel9 = new javax.swing.JLabel();
txt_dep = new javax.swing.JTextField();
txt_job = new javax.swing.JTextField();
cmd_delete = new javax.swing.JButton();
```

```
txt_update = new javax.swing.JButton();
jButton1 = new javax.swing.JButton();
jLabel10 = new javax.swing.JLabel();
txt_emp = new javax.swing.JLabel();
jMenuBar1 = new javax.swing.JMenuBar();
jMenu1 = new javax.swing.JMenu();
jMenuItem2 = new javax.swing.JMenuItem();
jMenuItem1 = new javax.swing.JMenuItem();
```

```
jCheckBox1.setText("jCheckBox1");
```

```
javax.swing.GroupLayout panel1Layout = new javax.swing.GroupLayout(panel1);
panel1.setLayout(panel1Layout);
panel1Layout.setHorizontalGroup(
    panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 100, Short.MAX_VALUE)
);
panel1Layout.setVerticalGroup(
    panel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGap(0, 100, Short.MAX_VALUE)
);
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
setResizable(false);
```

```
jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```
jLabel11.setText("Employee ID :");
```

```
txt_search.addContainerListener(new java.awt.event.ContainerAdapter() {
    public void componentRemoved(java.awt.event.ContainerEvent evt) {
        txt_searchComponentRemoved(evt);
    }
});
```

```

    }
});

txt_search.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_searchActionPerformed(evt);
    }
});

txt_search.addKeyListener(new java.awt.event.KeyAdapter() {
    public void keyReleased(java.awt.event.KeyEvent evt) {
        txt_searchKeyReleased(evt);
    }
});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
jPanel4.setLayout(jPanel4Layout);
jPanel4Layout.setHorizontalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jLabel11)
            .addGap(18, 18, 18)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE, 736,
javax.swing.GroupLayout.PREFERRED_SIZE)
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );
jPanel4Layout.setVerticalGroup(
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel11))
            .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

```

```
);
```

```
jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Personal Details",  
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new  
java.awt.Font("Adobe Arabic", 0, 18))); // NOI18N
```

```
jLabel7.setText("Contact :");
```

```
jLabel6.setText("Email :");
```

```
jLabel12.setText("Gender:");
```

```
r_male.setText("Male");
```

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

```
jRadioButton2.setText("Female");
```

```
jRadioButton2.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jRadioButton2ActionPerformed(evt);  
    }  
});
```

```
jLabel3.setText("Date of Birth :");
```

```
jLabel2.setText("Surname :");
```

```
jLabel1.setText("First name :");
```

```
txt_firstname.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```

        txt_firstnameActionPerformed(evt);
    }
});

txt_id.setEditable(false);

jLabel5.setText("Employee id :");

jLabel8.setText("Address Line 1 :");

jLabel14.setText("Address Line 2 :");

jLabel15.setText("Apt./House No :");

jLabel16.setText("Post Code :");

txt_apartment.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_apartmentActionPerformed(evt);
    }
});

jDesktopPane1.setLayer(lbl_img, javax.swing.JLayeredPane.DEFAULT_LAYER);

javax.swing.GroupLayout jDesktopPane1Layout = new javax.swing.GroupLayout(jDesktopPane1);
jDesktopPane1.setLayout(jDesktopPane1Layout);
jDesktopPane1Layout.setHorizontalGroup(
    jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jDesktopPane1Layout.createSequentialGroup()
            .addGap(10, 10, 10)
            .addComponent(lbl_img, javax.swing.GroupLayout.DEFAULT_SIZE, 210, Short.MAX_VALUE)
            .addGap(10, 10, 10)
        )
);
jDesktopPane1Layout.setVerticalGroup(

```



```

jDesktopPane1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jDesktopPane1Layout.createSequentialGroup()
        .addContainerGap()
        .addComponent(lbl_img, javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.DEFAULT_SIZE,
Short.MAX_VALUE)
        .addContainerGap())
    );

txt_salary.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_salaryActionPerformed(evt);
    }
});

jLabel13.setText("Basic Salary :");

jLabel20.setText("Job Title :");

jLabel19.setText("Date Hired :");

jLabel18.setText("Status :");

jLabel17.setText("Designation :");

jLabel9.setText("Department :");

txt_job.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        txt_jobActionPerformed(evt);
    }
});

cmd_delete.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/delete_16x16.gif"))); // NOI18N

```

```
cmd_delete.setText("Delete Record");
```

```
cmd_delete.addActionListener(new java.awt.event.ActionListener() {
```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
cmd_deleteActionPerformed(evt);
```

}

});

```
txt_update.setIcon(new
```

```
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/update icon.png"))); // NOI18N
```

```
txt_update.setText("Update Record");
```

```
txt_update.addActionListener(new java.awt.event.ActionListener() {
```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
```

```
txt_updateActionPerformed(evt);
```

}

 $\});$

```
jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-
```

```
128.png")))); // NOI18N
```

```
jButton1.setText("Clear");
```

```
jButton1.addActionListener(new java.awt.event.ActionListener() {
```

```
public void actionPerformed(java.awt.event.ActionEvent evt) {
```

jButton1ActionPerformed(evt);

}

 $\}) ;$

```
javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);
```

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

.addGroup(jPanel3Layout.createSequentialGroup())

```

`.addContainerGap()`

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
.addGroup(jPanel3Layout.createSequentialGroup())
```

```
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
```

```

.addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel6)

.addComponent(jLabel7)

.addComponent(jLabel12))

.addGap(81, 81, 81)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup())

.addComponent(r_male)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jRadioButton2))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING,
false)

.addComponent(txt_email, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txt_tel, javax.swing.GroupLayout.Alignment.LEADING,
javax.swing.GroupLayout.DEFAULT_SIZE, 168, Short.MAX_VALUE)))

.addGap(27, 27, 27))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel3)

.addComponent(jLabel2)

.addComponent(jLabel1)

.addComponent(jLabel5))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(txt_surname, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txt_firstname)

.addComponent(txt_dob, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(txt_id, javax.swing.GroupLayout.DEFAULT_SIZE, 177, Short.MAX_VALUE))

.addGap(18, 18, 18)))

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel18)

.addGroup(jPanel3Layout.createSequentialGroup())

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(jLabel19)
        .addComponent(jLabel13)
        .addComponent(jLabel17)
        .addComponent(jLabel9)
        .addComponent(jLabel20))
    .addGap(28, 28, 28)
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel3Layout.createSequentialGroup()
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING,
false)
                .addComponent(txt_doj)
                .addComponent(txt_salary)
                .addComponent(txt_status)
                .addComponent(txt_dep)
                .addComponent(txt_desig)
                .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(18, 18, 18)
            .addComponent(jDesktopPane1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGroup(jPanel3Layout.createSequentialGroup()
                .addComponent(txt_update)
                .addGap(9, 9, 9)
                .addComponent(cmd_delete))))))
    .addGroup(jPanel3Layout.createSequentialGroup()
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel14)
            .addComponent(jLabel15)
            .addComponent(jLabel16)
            .addComponent(jLabel8))
            .addGap(48, 48, 48)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
                .addComponent(txt_pc, javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(txt_add2, javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(txt_address, javax.swing.GroupLayout.Alignment.LEADING)

```

```

        .addComponent(txt_apt, javax.swing.GroupLayout.PREFERRED_SIZE, 260,
javax.swing.GroupLayout.PREFERRED_SIZE))

        .addGap(88, 88, 88)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 125,
javax.swing.GroupLayout.PREFERRED_SIZE)))

        .addContainerGap(54, Short.MAX_VALUE))
);
jPanel3Layout.setVerticalGroup(
jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup())
.addContainerGap()
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup())
.addGap(0, 0, Short.MAX_VALUE)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addGroup(jPanel3Layout.createSequentialGroup())
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
.addComponent(jLabel5)
.addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(7, 7, 7)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(jLabel1)
.addComponent(txt_firstname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
.addComponent(txt_surname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
.addComponent(jLabel2))
.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
.addComponent(jLabel3)
.addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
.addGap(18, 18, 18)

```

```

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(r_male)
            .addComponent(jRadioButton2)
            .addComponent(jLabel12)))
    .addGroup(jPanel3Layout.createSequentialGroup())
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel9)
            .addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_desig, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel17))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel18)
                .addComponent(txt_status, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(6, 6, 6)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel19)
                .addComponent(txt_doj, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addGap(13, 13, 13)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel20)
                .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel13)
                .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))
        .addComponent(jDesktopPane1))
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

```

```
.addGroup(jPanel3Layout.createSequentialGroup())  
    .addGap(12, 12, 12)  
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(txt_email, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(jLabel6))  
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)  
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(txt_tel, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(jLabel7))  
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(txt_address, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(jLabel8))  
    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)  
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(txt_add2, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(jLabel14)))  
.addGroup(jPanel3Layout.createSequentialGroup())  
    .addGap(71, 71, 71)  
    .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
        .addComponent(txt_update, javax.swing.GroupLayout.PREFERRED_SIZE, 44,  
javax.swing.GroupLayout.PREFERRED_SIZE)  
        .addComponent(cmd_delete, javax.swing.GroupLayout.PREFERRED_SIZE, 44,  
javax.swing.GroupLayout.PREFERRED_SIZE)))  
.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
    .addGroup(jPanel3Layout.createSequentialGroup())  
        .addGap(21, 21, 21)  
        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)  
            .addComponent(txt_apt, javax.swing.GroupLayout.PREFERRED_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)  
            .addComponent(jLabel15))  
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```

        .addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel16)
            .addComponent(txt_pc, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGroup(jPanel3Layout.createSequentialGroup())
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 44,
javax.swing.GroupLayout.PREFERRED_SIZE)))
        .addGap(140, 140, 140))
    );

    jLabel10.setText("Logged in As :");

    txt_emp.setText("emp");

    jMenuItem1.setText("File");

    jMenuItem2.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/attach.png"))); // NOI18N
    jMenuItem2.setText("Attach Image");
    jMenuItem2.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem2ActionPerformed(evt);
        }
    });

    jMenuItem1.add(jMenuItem2);

    jMenuItem1.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-128.png"))); // NOI18N
    jMenuItem1.setText("Reset");
    jMenuItem1.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            jMenuItem1ActionPerformed(evt);
        }
    });

```



```
jMenu1.add(jMenuItem1);
```

```
jMenuBar1.add(jMenu1);
```

```
setJMenuBar(jMenuBar1);
```

```
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(
```

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

```
                    .addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT_SIZE,
```

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

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

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

```
                        .addComponent(jLabel10)
```

```
                        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
                        .addComponent(txt_emp)
```

```
                        .addGap(
```

```
                            .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
```

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

```
);
```

```
layout.setVerticalGroup(
```

```
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

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

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

```
                .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE, 30, Short.MAX_VALUE)
```

```
                .addComponent(txt_emp))
```

```
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
```

```
            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
```

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

```
            .addGap(20, 20, 20)
```

```
        .addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED_SIZE, 496,
javax.swing.GroupLayout.PREFERRED_SIZE))
    );
```

```
    pack();
```

```
}// </editor-fold>//GEN-END:initComponents
```

```
private void txt_searchComponentRemoved(java.awt.event.ContainerEvent evt) { //GEN-
FIRST:event_txt_searchComponentRemoved
```

```
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_txt_searchComponentRemoved
```

```
private void txt_searchActionPerformed(java.awt.event.ActionEvent evt) { //GEN-
FIRST:event_txt_searchActionPerformed
```

```
    // TODO add your handling code here:
```

```
}//GEN-LAST:event_txt_searchActionPerformed
```

```
private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) { //GEN-FIRST:event_txt_searchKeyReleased
```

```
    // TODO add your handling code here:
```

```
    try{
```

```
        String sql ="select * from Staff_information where id=? ";
```

```
        pst=conn.prepareStatement(sql);
```

```
        pst.setString(1,txt_search.getText());
```

```
        rs=pst.executeQuery();
```

```
        String add1 =rs.getString("id");
```

```
        txt_id.setText(add1);
```

```
        String add2 =rs.getString("first_name");
```

```
        txt_firstname.setText(add2);
```

```
        String add3 =rs.getString("surname");
```

```
txt_surname.setText(add3);
```

```
String add4 = rs.getString("Dob");
```

```
txt_dob.setText(add4);
```

```
String add5 = rs.getString("Email");
```

```
txt_email.setText(add5);
```

```
String add6 = rs.getString("Telephone");
```

```
txt_tel.setText(add6);
```

```
String add7 = rs.getString("Address");
```

```
txt_address.setText(add7);
```

```
String add8 = rs.getString("Department");
```

```
txt_dep.setText(add8);
```

```
String add9 = rs.getString("Gender");
```

```
txt_dep.setText(add9);
```

```
String add10 = rs.getString("Salary");
```

```
txt_salary.setText(add10);
```

```
String add11 = rs.getString("Address2");
```

```
txt_add2.setText(add11);
```

```
String add12 = rs.getString("Apartment");
```

```
txt_apartment.setText(add12);
```

```
String add13 = rs.getString("Post_code");
```

```
txt_pc.setText(add13);
```

```
String add14 = rs.getString("Status");
```

```
txt_status.setText(add14);
```

```
String add15 =rs.getString("Date_hired");  
txt_doj.setText(add15);
```

```
String add16 =rs.getString("job_title");  
txt_job.setText(add16);
```

```
String add17 =rs.getString("Designation");  
txt_desig.setText(add17);
```

```
byte[] img = rs.getBytes("Image");  
ImageIcon imagelcon = new ImageIcon(new  
ImageIcon(img).getImage().getScaledInstance(lbl_img.getWidth(), lbl_img.getHeight(), Image.SCALE_SMOOTH));  
lbl_img.setIcon(imagelcon);
```

```
}catch(Exception e){  
    JOptionPane.showMessageDialog(null, "Missing Data");  
}
```

```
finally {
```

```
    try{
```

```
        rs.close();  
        pst.close();
```

```
    }
```

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

```
    }
```

```
}
```

```
//GEN-LAST:event_txt_searchKeyReleased
```

```

private void jMenuItem2ActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_jMenuItem2ActionPerformed

    // TODO add your handling code here:

    JFileChooser chooser = new JFileChooser();
    chooser.showOpenDialog(null);
    File f = chooser.getSelectedFile();

    filename =f.getAbsolutePath();

    ImageIcon imagelcon = new ImageIcon(new
    ImageIcon(filename).getImage().getScaledInstance(lbl_img.getWidth(), lbl_img.getHeight(), Image.SCALE_DEFAULT));
    lbl_img.setIcon(imagelcon);

}GEN-LAST:event_jMenuItem2ActionPerformed

private void jMenuItem1ActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_jMenuItem1ActionPerformed

    // TODO add your handling code here:

}GEN-LAST:event_jMenuItem1ActionPerformed

private void txt_jobActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_jobActionPerformed

    // TODO add your handling code here:

}GEN-LAST:event_txt_jobActionPerformed

private void txt_salaryActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_txt_salaryActionPerformed

    // TODO add your handling code here:

}GEN-LAST:event_txt_salaryActionPerformed

private void txt_apptActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_txt_apptActionPerformed

```

```

// TODO add your handling code here:
}

GEN-LAST:event_txt_apActionPerformed

private void txt_firstnameActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_firstnameActionPerformed

// TODO add your handling code here:
}

GEN-LAST:event_txt_firstnameActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_jButton2ActionPerformed

// TODO add your handling code here:

gender = "Female";
}

GEN-LAST:event_jButton2ActionPerformed

private void r_maleActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_r_maleActionPerformed

// TODO add your handling code here:

gender = "Male";
}

GEN-LAST:event_r_maleActionPerformed

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_cmd_deleteActionPerformed

// TODO add your handling code here:

int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to delete record?", "Delete", JOptionPane.YES_NO_OPTION);

if(p==0){

Date currentDate = GregorianCalendar.getInstance().getTime();

DateFormat df = DateFormat.getDateInstance();

String dateString = df.format(currentDate);

Date d = new Date();

SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");

String timeString = sdf.format(d);

```

```

String value0 = timeString;
String value1 = dateString;
String val = txt_emp.getText().toString();
try{
    String reg= "insert into Audit (emp_id, date, status) values ('"+val+"','"+value0+" / '"+value1+"','Deleted
Record')";
    pst=conn.prepareStatement(reg);
    pst.execute();
}
catch (Exception e)

{
    JOptionPane.showMessageDialog(null,e);
}
String sql ="delete from Staff_information where id=? ";
try{
    pst=conn.prepareStatement(sql);
    pst.setString(1, txt_id.getText());
    pst.execute();

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

}catch(Exception e){

    JOptionPane.showMessageDialog(null, e);
}finally {

    try{
        rs.close();
        pst.close();

    }

    catch(Exception e){

```

```

    }
}

try{

    String sq ="delete from Users where emp_id =?";

    pst=conn.prepareStatement(sq);

    pst.setString(1, txt_id.getText());

    pst.execute();


}catch(Exception e){


}

}

}

} //GEN-LAST:event_cmd_deleteActionPerformed


private void txt_updateActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_updateActionPerformed

    // TODO add your handling code here:

    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to update?", "Update Record",JOptionPane.YES_NO_OPTION);

    if(p==0){

        try{

            String value1 = txt_firstname.getText();

            String value2 = txt_surname.getText();

            String value3 = txt_dob.getText();

            String value4 = txt_id.getText();

            String value5 = txt_email.getText();

            String value6 = txt_tel.getText();

            String value7 = txt_address.getText();

            String value8 = txt_dep.getText();
```



```
String value9 = txt_add2.getText();
```

```
String value10 = txt_apr.getText();
```

```
String value11 = txt_pc.getText();
```

```
String value12 = txt_desig.getText();
```

```
String value13 = txt_status.getText();
```

```
String value14 = txt_salary.getText();
```

```
String value15 = txt_job.getText();
```

```
String value16 = txt_doj.getText();
```

```
String sql= "update Staff_information set id='"+value4+"',first_name='"+value1+"', surname='"+value2+"', "
```

```
  + "Dob='"+value3+"',Email='"+value5+"',Telephone='"+value6+"', "
```

```
  + "Address='"+value7+"',Department='"+value8+"', Address2 = '"+value9+"', "
```

```
  + "Apartment = '"+value10+"', Post_code = '"+value11+"', "
```

```
  + "Designation = '"+value12+"', Status = '"+value13+"', Salary = '"+value14+"', job_title = '"+value15+"',
```

```
Date_Hired = '"+value16+" " "
```

```
  + " where id='"+value4+" " ";
```

```
pst=conn.prepareStatement(sql);
```

```
pst.execute();
```

```
JOptionPane.showMessageDialog(null, "Record Updated");
```

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

```
    JOptionPane.showMessageDialog(null, e);
```

```
}
```

```
Date currentDate = GregorianCalendar.getInstance().getTime();
```

```
DateFormat df = DateFormat.getDateInstance();
```

```
String dateString = df.format(currentDate);
```

```
Date d = new Date();
```

```
SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");
```

```
String timeString = sdf.format(d);
```

```
String value0 = timeString;
```



```
txt_tel.setText("");
txt_dob.setText("");
txt_email.setText("");
txt_address.setText("");
txt_dep.setText("");
txt_status.setText("");
txt_salary.setText("");
txt_add2.setText("");
txt_pc.setText("");
txt_desig.setText("");
txt_job.setText("");
txt_apr.setText("");
txt_doj.setText("");
lbl_img.setIcon(null);
txt_search.setText("");
```

```
}//GEN-LAST:event_jButton1ActionPerformed
```

```
/**
```

```
 * @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(searchEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (InstantiationException ex) {
        java.util.logging.Logger.getLogger(searchEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (IllegalAccessException ex) {
        java.util.logging.Logger.getLogger(searchEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    } catch (javax.swing.UnsupportedLookAndFeelException ex) {
        java.util.logging.Logger.getLogger(searchEmployee.class.getName()).log(java.util.logging.Level.SEVERE, null,
ex);
    }
}
//</editor-fold>
//</editor-fold>

```

```

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton cmd_delete;
private javax.swing.JButton jButton1;
private javax.swing.JCheckBox jCheckBox1;
private javax.swing.JDesktopPane jDesktopPane1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel13;
private javax.swing.JLabel jLabel14;

```

```
private javax.swing.JLabel jLabel15;
private javax.swing.JLabel jLabel16;
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel2;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel3;
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.JMenu jMenu1;
private javax.swing.JMenuBar jMenuBar1;
private javax.swing.JMenuItem jMenuItem1;
private javax.swing.JMenuItem jMenuItem2;
private javax.swing.JPanel jPanel3;
private javax.swing.JPanel jPanel4;
private javax.swing.JRadioButton jRadioButton2;
private javax.swing.JLabel lbl_img;
private java.awt.Panel panel1;
private javax.swing.JRadioButton r_male;
private javax.swing.JTextField txt_add2;
private javax.swing.JTextField txt_address;
private javax.swing.JTextField txt_apt;
private javax.swing.JTextField txt_dep;
private javax.swing.JTextField txt_desig;
private javax.swing.JTextField txt_dob;
private javax.swing.JTextField txt_doj;
private javax.swing.JTextField txt_email;
private javax.swing.JLabel txt_emp;
private javax.swing.JTextField txt_firstname;
private javax.swing.JTextField txt_id;
```

```

private javax.swing.JTextField txt_job;
private javax.swing.JTextField txt_pc;
private javax.swing.JTextField txt_salary;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_status;
private javax.swing.JTextField txt_surname;
private javax.swing.JTextField txt_tel;
private javax.swing.JButton txt_update;
// End of variables declaration//GEN-END:variables

//strin filename
String filename = null;

private String gender;

}

```

Searchempsalaryslip:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package employee.payroll.system;

import com.itextpdf.text.Document;
import com.itextpdf.text.FontFactory;

```

```

import com.itextpdf.text.Paragraph;

import com.itextpdf.text.pdf.PdfWriter;

import java.awt.Dimension;

import java.awt.Font;

import java.awt.Toolkit;

import java.io.File;

import java.io.FileOutputStream;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.util.Date;

import javax.swing.JFileChooser;

import javax.swing.JOptionPane;


/**
 *
 * @author Hyrex
 */
public class searchEmpSalarySlip extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form searchEmpSalarySlip
     */
    public searchEmpSalarySlip() {
        initComponents();
        conn=db.java_db();
        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();
        setLocation(size.width/2 - getWidth()/2,
            size.height/2 - getHeight()/2);
    }

```

```

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
private void initComponents() {

    jLabel3 = new javax.swing.JLabel();
    jPanel4 = new javax.swing.JPanel();
    jLabel11 = new javax.swing.JLabel();
    txt_search = new javax.swing.JTextField();
    txt_dep = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    txt_id = new javax.swing.JTextField();
    txt_firstname = new javax.swing.JTextField();
    jLabel4 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    txt_surname = new javax.swing.JTextField();
    txt_dob = new javax.swing.JTextField();
    jLabel8 = new javax.swing.JLabel();
    txt_desig = new javax.swing.JTextField();
    txt_status = new javax.swing.JTextField();
    txt_doj = new javax.swing.JTextField();
    txt_job = new javax.swing.JTextField();
    txt_salary = new javax.swing.JTextField();
    jLabel13 = new javax.swing.JLabel();
    jLabel20 = new javax.swing.JLabel();
    jLabel19 = new javax.swing.JLabel();
    jLabel18 = new javax.swing.JLabel();
    jLabel17 = new javax.swing.JLabel();
    jLabel9 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();

```



```
jLabel3.setText("Date of Birth :");
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
```

```
jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",  
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new  
java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```
jLabel11.setText("Employee ID :");
```

```
txt_search.addContainerListener(new java.awt.event.ContainerAdapter() {  
    public void componentRemoved(java.awt.event.ContainerEvent evt) {  
        txt_searchComponentRemoved(evt);  
    }  
});
```

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

```
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyReleased(java.awt.event.KeyEvent evt) {  
        txt_searchKeyReleased(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
```

```
jPanel4.setLayout(jPanel4Layout);
```

```
jPanel4Layout.setHorizontalGroup(  
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel4Layout.createSequentialGroup().addGap(10, 10, 10, 10)
```

```
            .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                .addComponent(jLabel11)
```

```
                .addComponent(jLabel12)
```

```

        .addGap(18, 18, 18)
        .addComponent(txt_search)
        .addContainerGap())
    );

    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
                javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel11))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    txt_dep.setEditable(false);

    jLabel6.setText("Employee id :");

    txt_id.setEditable(false);

    txt_firstname.setEditable(false);
    txt_firstname.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_firstnameActionPerformed(evt);
        }
    });

    jLabel4.setText("First name :");

    jLabel7.setText("Surname :");

    txt_surname.setEditable(false);

```

```
txt_dob.setEditable(false);
```

```
jLabel8.setText("Date of Birth :");
```

```
txt_desig.setEditable(false);
```

```
txt_status.setEditable(false);
```

```
txt_doj.setEditable(false);
```

```
txt_job.setEditable(false);
```

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

```
txt_salary.setEditable(false);
```

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

```
jLabel13.setText("Basic Salary :");
```

```
jLabel20.setText("Job Title :");
```

```
jLabel19.setText("Date Hired :");
```

```
jLabel18.setText("Status :");
```

```
jLabel17.setText("Designation :");
```

```
jLabel9.setText("Department :");
```

```
jButton1.setIcon(new  
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/slip.png"))); // NOI18N  
jButton1.setText("Generate Slip");  
jButton1.addActionListener(new java.awt.event.ActionListener() {  
    public void actionPerformed(java.awt.event.ActionEvent evt) {  
        jButton1ActionPerformed(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(10, 10, 10)  
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)  
                .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,  
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)  
                .addGroup(layout.createSequentialGroup()  
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)  
                        .addComponent(jLabel8)  
                        .addComponent(jLabel7)  
                        .addComponent(jLabel4)  
                        .addComponent(jLabel6)  
                        .addComponent(jLabel9))  
                    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)  
                    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)  
                        .addComponent(txt_surname, javax.swing.GroupLayout.Alignment.LEADING)  
                        .addComponent(txt_firstname)  
                        .addComponent(txt_dob, javax.swing.GroupLayout.Alignment.LEADING)  
                        .addComponent(txt_id, javax.swing.GroupLayout.DEFAULT_SIZE, 177, Short.MAX_VALUE)  
                        .addComponent(txt_dep))
```

```

        .addGap(25, 25, 25)

        .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel18)

            .addGroup(layout.createSequentialGroup()

                .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                    .addComponent(jLabel19)

                    .addComponent(jLabel13)

                    .addComponent(jLabel17)

                    .addComponent(jLabel20))

                .addGap(14, 14, 14)

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

                    .addComponent(txt_doj)

                    .addComponent(txt_salary)

                    .addComponent(txt_status)

                    .addComponent(txt_desig)

                    .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE, 177,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

            .addGroup(layout.createSequentialGroup()

                .addComponent(jButton1)

                .addGap(191, 191, 191)))

        .addContainerGap(18, Short.MAX_VALUE))
    );

    layout.setVerticalGroup(

        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(layout.createSequentialGroup()

            .addContainerGap()

            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

            .addGap(18, 18, 18)

            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

                .addGroup(layout.createSequentialGroup()

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

                        .addComponent(jLabel6)

                        .addComponent(txt_id, 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(jLabel4)

    .addComponent(txt_firstname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))

.addGroup(layout.createSequentialGroup())

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(txt_desig, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel17))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel18)

        .addComponent(txt_status, 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(jLabel19)

        .addComponent(txt_doj, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(txt_surname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel7))

    .addGap(13, 13, 13)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel20)

        .addComponent(txt_job, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel8))

    .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

    .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel13)

        .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
```

```

        .addComponent(jLabel9)

        .addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))

        .addGap(18, 18, 18)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 57, Short.MAX_VALUE)

        .addContainerGap())

    );

    pack();
} // </editor-fold> // GEN-END: initComponents

private void txt_searchComponentRemoved(java.awt.event.ContainerEvent evt) { // GEN-
FIRST:event_txt_searchComponentRemoved

    // TODO add your handling code here:

} // GEN-LAST:event_txt_searchComponentRemoved

private void txt_searchActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_txt_searchActionPerformed

    // TODO add your handling code here:

} // GEN-LAST:event_txt_searchActionPerformed

private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) { // GEN-FIRST:event_txt_searchKeyReleased

    // TODO add your handling code here:

    try{

        String sql ="select * from Staff_information where id=? ";

        pst=conn.prepareStatement(sql);

        pst.setString(1,txt_search.getText());

        rs=pst.executeQuery();

        String add1 =rs.getString("id");

        txt_id.setText(add1);

        String add2 =rs.getString("first_name");

```

```
txt_firstname.setText(add2);
```

```
String add3 =rs.getString("surname");
```

```
txt_surname.setText(add3);
```

```
String add4 =rs.getString("Dob");
```

```
txt_dob.setText(add4);
```

```
String add5 =rs.getString("Department");
```

```
txt_dep.setText(add5);
```

```
String add7 =rs.getString("Salary");
```

```
txt_salary.setText(add7);
```

```
String add8 =rs.getString("Status");
```

```
txt_status.setText(add8);
```

```
String add9 =rs.getString("Date_hired");
```

```
txt_doj.setText(add9);
```

```
String add10 =rs.getString("job_title");
```

```
txt_job.setText(add10);
```

```
String add17 =rs.getString("Designation");
```

```
txt_desig.setText(add17);
```

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

```
    JOptionPane.showMessageDialog(null, "No Data");
```

```
}
```

```
finally {
```

```
    try{
```



```

} // GEN-LAST:event_txt_searchKeyReleased

```

```
private void txt_firstnameActionPerformed(java.awt.event.ActionEvent evt) {GEN-
FIRST:event_txt_firstnameActionPerformed
```

```
// TODO add your handling code here:
```

```

} // GEN-LAST:event_txt_firstnameActionPerformed

```

```
private void txt_jobActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_txt_jobActionPerformed
```

```
// TODO add your handling code here:
```

```

} // GEN-LAST:event_txt_jobActionPerformed

```

```
private void txt_salaryActionPerformed(java.awt.event.ActionEvent evt) {GEN-FIRST:event_txt_salaryActionPerformed
```

```
// TODO add your handling code here:
```

```

} // GEN-LAST:event_txt_salaryActionPerformed

```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_jButton1ActionPerformed
```

```
// TODO add your handling code here:
```

```
String value = txt_firstname.getText();
```

```
String value0 = txt_surname.getText();
```

```
String value1 = txt_id.getText();
```

```
String value2 = txt_desig.getText();
```

```
String value3 = txt_desig.getText();
```

```

JFileChooser dialog = new JFileChooser();

dialog.setSelectedFile(new File(value + " " + value0 + "-Salary Slip".pdf"));

int dialogResult = dialog.showSaveDialog(null);

if (dialogResult==JFileChooser.APPROVE_OPTION){

String filePath = dialog.getSelectedFile().getPath();

try {

// TODO add your handling code here:


String sql ="select * from Deductions where emp_id = '"+value1+"'";

pst=conn.prepareStatement(sql);

rs=pst.executeQuery();

String val = rs.getString(5);

String reason = rs.getString(6);

rs.close();

pst.close();


String sq ="select * from Allowance where emp_id = '"+value1+"'";

pst=conn.prepareStatement(sq);

rs=pst.executeQuery();


int calcTotal = Integer.parseInt(txt_salary.getText());

float x = Float.valueOf(rs.getString(9));

int v = Integer.parseInt(val);

float total = calcTotal+ x -v;


Document myDocument = new Document();

PdfWriter myWriter = PdfWriter.getInstance(myDocument, new FileOutputStream(filePath));

myDocument.open();


myDocument.add(new Paragraph("PAY SLIP",FontFactory.getFont(FontFactory.TIMES_BOLD,20,Font.BOLD )));

myDocument.add(new Paragraph(new Date().toString()));

```

```

        myDocument.add(new Paragraph("-----"));

        myDocument.add((new Paragraph("EMPLOYEE
DETAILS",FontFactory.getFont(FontFactory.TIMES_ROMAN,15,Font.BOLD))));

        myDocument.add((new Paragraph("Name of Employee: " +value + "
"+value0,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add((new Paragraph("Designation:
"+value2,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add((new Paragraph("Department:
"+value3,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("-----"));

        myDocument.add(new Paragraph("SALARY",FontFactory.getFont(FontFactory.TIMES_ROMAN,15,Font.BOLD))));

        myDocument.add(new Paragraph("Basic Salary:
$" +calcTotal,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("Overtime: "+rs.getString(2)+"
Hours",FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("Medical: $"
+rs.getString(3),FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("Bonus:
$" +rs.getString(4),FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("Other:
$" +rs.getString(5),FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("-----"));

        myDocument.add(new
Paragraph("DEDUCTION",FontFactory.getFont(FontFactory.TIMES_ROMAN,15,Font.BOLD))));

        myDocument.add(new Paragraph("Deduction Details:
"+reason,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("Total Deductions : $" +val
,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("-----"));

        myDocument.add(new Paragraph("TOTAL
PAYMENT",FontFactory.getFont(FontFactory.TIMES_ROMAN,15,Font.BOLD))));

        myDocument.add(new Paragraph("Total Earnings:
"+rs.getString(9),FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("Net Pay : "
+total,FontFactory.getFont(FontFactory.TIMES_ROMAN,10,Font.PLAIN))));

        myDocument.add(new Paragraph("-----"));

        myDocument.newPage();

```

```
myDocument.close();

JOptionPane.showMessageDialog(null,"Report was successfully generated");

}

catch(Exception e){

    JOptionPane.showMessageDialog(null,e);


}

finally {

    try{

        rs.close();

        pst.close();

    }

    catch(Exception e){

        JOptionPane.showMessageDialog(null,e);

    }

}

}
```

```
}//GEN-LAST:event_jButton1ActionPerformed

/**
 * @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(searchEmpSalarySlip.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (InstantiationException ex) {
    java.util.logging.Logger.getLogger(searchEmpSalarySlip.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (IllegalAccessException ex) {
    java.util.logging.Logger.getLogger(searchEmpSalarySlip.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
} catch (javax.swing.UnsupportedLookAndFeelException ex) {
    java.util.logging.Logger.getLogger(searchEmpSalarySlip.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 searchEmpSalarySlip().setVisible(true);
    }
});
}

```

```

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel11;
private javax.swing.JLabel jLabel13;

```

```
private javax.swing.JLabel jLabel17;
private javax.swing.JLabel jLabel18;
private javax.swing.JLabel jLabel19;
private javax.swing.JLabel jLabel20;
private javax.swing.JLabel jLabel3;
private javax.swing.JLabel jLabel4;
private javax.swing.JLabel jLabel6;
private javax.swing.JLabel jLabel7;
private javax.swing.JLabel jLabel8;
private javax.swing.JLabel jLabel9;
private javax.swing.JPanel jPanel4;
private javax.swing.JTextField txt_dep;
private javax.swing.JTextField txt_desig;
private javax.swing.JTextField txt_dob;
private javax.swing.JTextField txt_doj;
private javax.swing.JTextField txt_firstname;
private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_job;
private javax.swing.JTextField txt_salary;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_status;
private javax.swing.JTextField txt_surname;
// End of variables declaration//GEN-END:variables
}
```

Updatesalary:

/*

*** To change this license header, choose License Headers in Project Properties.**

*** To change this template file, choose Tools | Templates**

*** and open the template in the editor.**

***/**

package employee.payroll.system;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.awt.*;

import java.awt.image.BufferedImage;

import java.io.ByteArrayOutputStream;

import java.io.File;

```

import java.io.FileInputStream;

import java.sql.Connection;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.text.DateFormat;

import java.text.SimpleDateFormat;

import java.util.Calendar;

import java.util.Date;

import java.util.GregorianCalendar;

import javax.imageio.ImageIO;

import javax.swing.*.*;

import net.proteanit.sql.DbUtils;

/**
 *
 * @author Hyrex
 */
public class updateSalary extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**
     * Creates new form updateSalary
     */
    public updateSalary() {

        initComponents();

        conn=db.java_db();

        Toolkit toolkit = getToolkit();
        Dimension size = toolkit.getScreenSize();

        setLocation(size.width/2 - getWidth()/2,
        size.height/2 - getHeight()/2);

        txt_emp.setText(String.valueOf(Emp.empId).toString());
    }

```



```

/**
 * This method is called from within the constructor to initialize the form.
 * WARNING: Do NOT modify this code. The content of this method is always
 * regenerated by the Form Editor.
 */
@SuppressWarnings("unchecked")
// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents
private void initComponents() {

    jPanel4 = new javax.swing.JPanel();
    jLabel14 = new javax.swing.JLabel();
    txt_search = new javax.swing.JTextField();
    jPanel1 = new javax.swing.JPanel();
    txt_empid = new javax.swing.JTextField();
    txt_dob = new javax.swing.JTextField();
    jLabel3 = new javax.swing.JLabel();
    jLabel2 = new javax.swing.JLabel();
    jLabel1 = new javax.swing.JLabel();
    jLabel5 = new javax.swing.JLabel();
    jLabel12 = new javax.swing.JLabel();
    txt_salary = new javax.swing.JTextField();
    txt_dept = new javax.swing.JTextField();
    txt_surname = new javax.swing.JTextField();
    jLabel9 = new javax.swing.JLabel();
    txt_firstname = new javax.swing.JTextField();
    r_percentage = new javax.swing.JRadioButton();
    r_amount = new javax.swing.JRadioButton();
    jLabel4 = new javax.swing.JLabel();
    txt_dept1 = new javax.swing.JTextField();
    txt_dept2 = new javax.swing.JTextField();
    jLabel6 = new javax.swing.JLabel();
    jLabel7 = new javax.swing.JLabel();
    jButton1 = new javax.swing.JButton();
    txt_emp = new javax.swing.JLabel();

```

```
jLabel10 = new javax.swing.JLabel();
```

```
setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);
```

```
jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search",  
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new  
java.awt.Font("Adobe Arabic", 1, 14))); // NOI18N
```

```
jLabel14.setText("Employee ID:");
```

```
txt_search.addContainerListener(new java.awt.event.ContainerAdapter() {  
    public void componentRemoved(java.awt.event.ContainerEvent evt) {  
        txt_searchComponentRemoved(evt);  
    }  
});
```

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

```
txt_search.addKeyListener(new java.awt.event.KeyAdapter() {  
    public void keyReleased(java.awt.event.KeyEvent evt) {  
        txt_searchKeyReleased(evt);  
    }  
});
```

```
javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);
```

```
jPanel4.setLayout(jPanel4Layout);
```

```
jPanel4Layout.setHorizontalGroup(  
    jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel4Layout.createSequentialGroup()  
            .add(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                .addComponent(jLabel14)
```

```
                .addGap(18, 18, 18)
```

```
            .add(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                .addGap(18, 18, 18)
```

```

        .addComponent(txt_search, javax.swing.GroupLayout.DEFAULT_SIZE, 449, Short.MAX_VALUE)
        .addContainerGap())
    );

    jPanel4Layout.setVerticalGroup(
        jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel4Layout.createSequentialGroup())
        .addContainerGap()
        .addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(txt_search, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel14))
        .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
    );

    txt_empid.setEditable(false);

    txt_dob.setEditable(false);

    jLabel3.setText("Date of Birth :");

    jLabel2.setText("Surname :");

    jLabel1.setText("First name :");

    jLabel5.setText("Employee id :");

    jLabel12.setText("Basic Salary :");

    txt_salary.setEditable(false);
    txt_salary.addActionListener(new java.awt.event.ActionListener() {
        public void actionPerformed(java.awt.event.ActionEvent evt) {
            txt_salaryActionPerformed(evt);
        }
    });
}

```

```
txt_dept.setEditable(false);
```

```
txt_surname.setEditable(false);
```

```
jLabel9.setText("Department :");
```

```
txt_firstname.setEditable(false);
```

```
r_percentage.setText("Percentage (%)");
```

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

```
r_amount.setText("Amount");
```

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

```
jLabel4.setText("Update Salary by :");
```

```
txt_dept1.setEditable(false);
```

```
txt_dept1.setEnabled(false);
```

```
txt_dept2.setEditable(false);
```

```
txt_dept2.setEnabled(false);
```

```
jLabel6.setText("Percentage :");
```

```
jLabel7.setText("Amount:");
```



```

        .addComponent(jLabel9)

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(txt_dept, javax.swing.GroupLayout.PREFERRED_SIZE, 161,
javax.swing.GroupLayout.PREFERRED_SIZE))

    .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel3)

            .addComponent(jLabel12))

        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE)

            .addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE, 160,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

    .addGroup(jPanel1Layout.createSequentialGroup())

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addComponent(jLabel4)

            .addComponent(jLabel6, javax.swing.GroupLayout.Alignment.TRAILING))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

            .addGroup(jPanel1Layout.createSequentialGroup())

                .addComponent(r_percentage)

                .addGap(18, 18, 18)

                .addComponent(r_amount))

            .addGroup(jPanel1Layout.createSequentialGroup())

                .addComponent(txt_dept1, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

                .addComponent(jLabel7)

                .addGap(10, 10, 10)

                .addComponent(txt_dept2, javax.swing.GroupLayout.PREFERRED_SIZE, 95,
javax.swing.GroupLayout.PREFERRED_SIZE)

                .addGap(44, 44, 44)

                .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 119,
javax.swing.GroupLayout.PREFERRED_SIZE))))))

```

```

        .addGroup(jPanel1Layout.createSequentialGroup())
        .addComponent(jLabel10)
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addComponent(txt_emp)))
    .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
);
jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGap(19, 19, 19)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
    .addGroup(jPanel1Layout.createSequentialGroup())
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
            .addComponent(jLabel3)
            .addComponent(txt_dob, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(txt_salary, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addComponent(jLabel12))
        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
            .addComponent(jLabel9)
            .addComponent(txt_dept, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))
    .addGroup(jPanel1Layout.createSequentialGroup())
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel5)
        .addComponent(txt_empid, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
    .addGap(4, 4, 4)
    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
        .addComponent(jLabel1)

```

```

        .addComponent(txt_firstname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel2)

        .addComponent(txt_surname, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))))

        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel4)

        .addComponent(r_percentage)

        .addComponent(r_amount))

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

        .addGroup(jPanel1Layout.createSequentialGroup()

        .addGap(18, 18, 18)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(txt_dept1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(txt_dept2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)

        .addComponent(jLabel6)

        .addComponent(jLabel7))

        .addGap(13, 13, 13)

        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

        .addComponent(jLabel10, javax.swing.GroupLayout.DEFAULT_SIZE, 30, Short.MAX_VALUE)

        .addComponent(txt_emp)))

        .addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

        .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(jButton1, javax.swing.GroupLayout.PREFERRED_SIZE, 33,
javax.swing.GroupLayout.PREFERRED_SIZE)

        .addGap(46, 46, 46))))

    );

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

```



```

layout.setHorizontalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
                .addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)
                .addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
            .addContainerGap())
        );
layout.setVerticalGroup(
    layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addContainerGap()
            .addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

```

```
pack();
```

```
///  
//GEN-END:initComponents
```

```
private void txt_searchComponentRemoved(java.awt.event.ContainerEvent evt) {  
//GEN-FIRST:event_txt_searchComponentRemoved
```

```
    // TODO add your handling code here:
```

```
}  
//GEN-LAST:event_txt_searchComponentRemoved
```

```
private void txt_searchActionPerformed(java.awt.event.ActionEvent evt) {  
//GEN-FIRST:event_txt_searchActionPerformed
```

```
    // TODO add your handling code here:
```

```
}  
//GEN-LAST:event_txt_searchActionPerformed
```

```
private void txt_searchKeyReleased(java.awt.event.KeyEvent evt) {GEN-FIRST:event_txt_searchKeyReleased

    // TODO add your handling code here:

    try{

        String sql ="select * from Staff_information where id=? ";

        pst=conn.prepareStatement(sql);

        pst.setString(1,txt_search.getText());

        rs=pst.executeQuery();

        String add1 =rs.getString("id");

        txt_empid.setText(add1);

        String add2 =rs.getString("first_name");

        txt_firstname.setText(add2);

        String add3 =rs.getString("surname");

        txt_surname.setText(add3);

        String add4 =rs.getString("Dob");

        txt_dob.setText(add4);

        String add5 =rs.getString("Salary");

        txt_salary.setText(add5);

        String add8 =rs.getString("Department");

        txt_dept.setText(add8);

    }catch(Exception e){

        JOptionPane.showMessageDialog(null, e);

    }

    finally {
```



```

r_percentage.setSelected(false);
//r_percentage.setEnabled(false);
txt_dept1.setEnabled(false);
txt_dept2.setEditable(true);
txt_dept2.setEnabled(true);
txt_dept1.setText("");
} //GEN-LAST:event_r_amountActionPerformed

```

```

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton1ActionPerformed

```

```

    // TODO add your handling code here:

```

```

    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to update salary?", "Update Record", JOptionPane.YES_NO_OPTION);

```

```

    if(p==0){

```

```

        int salary = Integer.parseInt(txt_salary.getText());

```

```

        if(r_percentage.isSelected()== true){

```

```

            int getPercentage = Integer.parseInt(txt_dept1.getText());

```

```

            int calcPercentage = salary /100 * getPercentage + salary;

```

```

            String xP = String.valueOf(calcPercentage);

```

```

            txt_salary.setText(xP);

```

```

        }

```

```

        else if(r_amount.isSelected()==true){

```

```

            int getAmt = Integer.parseInt(txt_dept2.getText());

```

```

            int calcAmount = salary + getAmt;

```

```

            String xA = String.valueOf(calcAmount);

```

```

            txt_salary.setText(xA);

```

```

        }

```

```

    try{

```

```

        Date currentDate = GregorianCalendar.getInstance().getTime();

```

```

        DateFormat df = DateFormat.getDateInstance();

```

```

        String dateString = df.format(currentDate);

```

```
Date d = new Date();  
SimpleDateFormat sdf = new SimpleDateFormat("HH:mm:ss");  
String timeString = sdf.format(d);
```

```
String value0 = timeString;  
String values = dateString;  
String val = txt_emp.getText().toString();
```

```
String reg= "insert into Audit (emp_id, date, status) values ('"+val+"','"+value0+" / '"+values+"','Updated  
Salary Record')";
```

```
    pst=conn.prepareStatement(reg);  
    pst.execute();  
}  
catch (Exception e)  
  
{  
    JOptionPane.showMessageDialog(null,e);  
}
```

```
try{
```

```
String value1 = txt_empid.getText();  
String value2 = txt_salary.getText();
```

```
String sql= "update Staff_information set id='"+value1+"',Salary='"+value2+" where id='"+value1+"'";
```

```
    pst=conn.prepareStatement(sql);  
    pst.execute();  
    JOptionPane.showMessageDialog(null, "Record Updated");
```

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

```

    }

    finally {

        try{
            rs.close();
            pst.close();

        }

        catch(Exception e){


        }

    }

}

}

}

//GEN-LAST:event_jButton1ActionPerformed

/**
 * @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(updateSalary.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);
    }
}

```

```

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

// Variables declaration - do not modify//GEN-BEGIN:variables
private javax.swing.JButton jButton1;
private javax.swing.JLabel jLabel1;
private javax.swing.JLabel jLabel10;
private javax.swing.JLabel jLabel12;
private javax.swing.JLabel jLabel14;
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 jLabel9;
private javax.swing.JPanel jPanel1;
private javax.swing.JPanel jPanel4;
private javax.swing.JRadioButton r_amount;
private javax.swing.JRadioButton r_percentage;
private javax.swing.JTextField txt_dept;

```

```

private javax.swing.JTextField txt_dept1;
private javax.swing.JTextField txt_dept2;
private javax.swing.JTextField txt_dob;
private javax.swing.JLabel txt_emp;
private javax.swing.JTextField txt_empid;
private javax.swing.JTextField txt_firstname;
private javax.swing.JTextField txt_salary;
private javax.swing.JTextField txt_search;
private javax.swing.JTextField txt_surname;

// End of variables declaration//GEN-END:variables
}

```

Users:

```

/*
 * To change this license header, choose License Headers in Project Properties.
 * To change this template file, choose Tools | Templates
 * and open the template in the editor.
 */
package employee.payroll.system;

```

```

/**
 *
 * @author Hyrex
 */
import java.awt.*;
import java.sql.Connection;
import java.sql.PreparedStatement;
import java.sql.ResultSet;
import javax.swing.*;
import net.proteanit.sql.DbUtils;

public class users extends javax.swing.JFrame {

    Connection conn=null;

    ResultSet rs=null;

    PreparedStatement pst=null;

    /**

```


*** Creates new form Users_details**

***/**

public users() {

initComponents();

conn=db.java_db();

Toolkit toolkit = getToolkit();

Dimension size = toolkit.getScreenSize();

setLocation(size.width/2 - getWidth()/2,

size.height/2 - getHeight()/2);

Fillcombo();

}

/**

*** This method is called from within the constructor to initialize the form.**

*** WARNING: Do NOT modify this code. The content of this method is always**

*** regenerated by the Form Editor.**

***/**

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN: initComponents

private void initComponents() {

jPanel2 = new javax.swing.JPanel();

cmd_add = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

txt_password = new javax.swing.JTextField();

txt_combo = new javax.swing.JComboBox();

jLabel3 = new javax.swing.JLabel();

txt_username = new javax.swing.JTextField();

jLabel2 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

txt_id = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

txt_dep = new javax.swing.JTextField();

```

cmd_delete = new javax.swing.JButton();

cmd_update = new javax.swing.JButton();

jButton1 = new javax.swing.JButton();


setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE_ON_CLOSE);


cmd_add.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/Save-
icon.png"))); // NOI18N

cmd_add.setText("Add ");

cmd_add.addActionListener(new java.awt.event.ActionListener() {

    public void actionPerformed(java.awt.event.ActionEvent evt) {

        cmd_addActionPerformed(evt);

    }

});


jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Login_Information",
javax.swing.border.TitledBorder.DEFAULT_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT_POSITION, new
java.awt.Font("Adobe Arabic", 1, 18))); // NOI18N


jLabel1.setText("Select Users");


txt_combo.addPopupMenuListener(new javax.swing.event.PopupMenuListener() {

    public void popupMenuCanceled(javax.swing.event.PopupMenuEvent evt) {

    }

    public void popupMenuWillBecomeInvisible(javax.swing.event.PopupMenuEvent evt) {

        txt_comboPopupMenuWillBecomeInvisible(evt);

    }

    public void popupMenuWillBecomeVisible(javax.swing.event.PopupMenuEvent evt) {

    }

});


jLabel3.setText("Password");


jLabel2.setText("Username");

```

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

```
txt_id.setEditable(false);
```

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

```
javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);
```

```
jPanel1.setLayout(jPanel1Layout);
```

```
jPanel1Layout.setHorizontalGroup(
```

```
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
        .addGroup(jPanel1Layout.createSequentialGroup()
```

```
            .addGap(10, 10, 10)
```

```
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                        .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)
```

```
                            .addComponent(jLabel2, javax.swing.GroupLayout.Alignment.LEADING)
```

```
                            .addComponent(jLabel3, javax.swing.GroupLayout.Alignment.LEADING))
```

```
                        .addGap(20, 20, 20))
```

```
                    .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                        .addComponent(jLabel5)
```

```
                        .addGap(20, 20, 20)))
```

```
                .addGroup(jPanel1Layout.createSequentialGroup()
```

```
                    .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
```

```
                        .addComponent(jLabel4)
```

```
                        .addComponent(jLabel1))
```

```
                    .addGap(javax.swing.GroupLayout.DEFAULT_SIZE, 10, 10))
```

```
                .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)
```

```
                    .addComponent(txt_dep)
```

```
                    .addComponent(txt_password, javax.swing.GroupLayout.Alignment.LEADING)
```

```
                    .addComponent(txt_username, javax.swing.GroupLayout.Alignment.LEADING)
```

```
                    .addComponent(txt_combo, javax.swing.GroupLayout.Alignment.LEADING, 0, 160, javax.swing.GroupLayout.PREFERRED_SIZE)
```

```
                    .addComponent(txt_id, javax.swing.GroupLayout.Alignment.LEADING))
```

```
            .addGap(40, 40, 40))
```

```

);

jPanel1Layout.setVerticalGroup(
    jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel1Layout.createSequentialGroup()
            .addContainerGap(25, Short.MAX_VALUE)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_combo, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel1))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_id, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel4))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(jLabel5)
                .addComponent(txt_dep, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_username, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel2))
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)
            .addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)
                .addComponent(txt_password, javax.swing.GroupLayout.PREFERRED_SIZE,
                    javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
                .addComponent(jLabel3))
            .addContainerGap())
        );

cmd_delete.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/delete_16x16.gif"))); // NOI18N
cmd_delete.setText("Delete");
cmd_delete.addActionListener(new java.awt.event.ActionListener() {

```

```

    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_deleteActionPerformed(evt);
    }
});

```

```

cmd_update.setIcon(new
javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/update icon.png"))); // NOI18N
cmd_update.setText("Update");
cmd_update.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        cmd_updateActionPerformed(evt);
    }
});

```

```

jButton1.setIcon(new javax.swing.ImageIcon(getClass().getResource("/employee/payroll/system/Images/erase-
128.png"))); // NOI18N
jButton1.setText("Clear");
jButton1.addActionListener(new java.awt.event.ActionListener() {
    public void actionPerformed(java.awt.event.ActionEvent evt) {
        jButton1ActionPerformed(evt);
    }
});

```

```

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);
jPanel2.setLayout(jPanel2Layout);
jPanel2Layout.setHorizontalGroup(
    jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(jPanel2Layout.createSequentialGroup()
            .addGap(18, 18, 18)
            .addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)
            .addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)
                .addComponent(cmd_add, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

```

```

        .addComponent(cmd_delete, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(cmd_update, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE)

        .addComponent(jButton1, javax.swing.GroupLayout.DEFAULT_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))

        .addContainerGap(40, Short.MAX_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup())

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup())

.addGap(48, 48, 48)

.addComponent(cmd_add)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(cmd_update)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(cmd_delete)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton1))

.addGroup(jPanel2Layout.createSequentialGroup())

.addGap(28, 28, 28)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)))

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

);

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

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup())

.addContainerGap()

```

```

        .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
        .addContainerGap(31, Short.MAX_VALUE))
    );

    layout.setVerticalGroup(
        layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)
        .addGroup(layout.createSequentialGroup()
            .addGap(27, 27, 27)
            .addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED_SIZE,
javax.swing.GroupLayout.DEFAULT_SIZE, javax.swing.GroupLayout.PREFERRED_SIZE)
            .addContainerGap(javax.swing.GroupLayout.DEFAULT_SIZE, Short.MAX_VALUE))
        );

    pack();
} // </editor-fold> // GEN-END: initComponents

```

```

private void cmd_deleteActionPerformed(java.awt.event.ActionEvent evt) { // GEN-
FIRST:event_cmd_deleteActionPerformed

```

```

    // TODO add your handling code here:

```

```

    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to delete
record?", "Delete", JOptionPane.YES_NO_OPTION);

```

```

    if(p==0){

```

```

        String sql ="delete from Users where username=? ";

```

```

    try{

```

```

        pst=conn.prepareStatement(sql);

```

```

        pst.setString(1, txt_username.getText());

```

```

        pst.execute();

```

```

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

```

```

    }catch(Exception e){

```

```

        JOptionPane.showMessageDialog(null, e);

```

```

    }finally {

```

```
try{
    rs.close();
    pst.close();

}
catch(Exception e){

}
}

}
```

```
//GEN-LAST:event_cmd_deleteActionPerformed
```

```
private void txt_comboPopupMenuWillBecomeInvisible(javax.swing.event.PopupMenuEvent evt) { //GEN-FIRST:event_txt_comboPopupMenuWillBecomeInvisible
```

```
String tmp =(String) txt_combo.getSelectedItem();
String sql="select * from Users where username=?";
```

```
try{
    pst=conn.prepareStatement(sql);
    pst.setString(1, tmp);
    rs=pst.executeQuery();

    if(rs.next()){

        String add1 =rs.getString("username");
        txt_username.setText(add1);

        String add2 =rs.getString("password");
        txt_password.setText(add2);
```



```
String add3 =rs.getString("id");
```

```
txt_id.setText(add3);
```

```
String add4 =rs.getString("division");
```

```
txt_dep.setText(add4);
```

```
}
```

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

```
    JOptionPane.showMessageDialog(null, e);
```

```
}
```

```
finally {
```

```
    try{
```

```
        rs.close();
```

```
        pst.close();
```

```
    }
```

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

```
    }
```

```
// TODO add your handling code here:
```

```
Fillcombo();
```

```
//GEN-LAST:event_txt_comboPopupMenuWillBecomeInvisible
```

```
private void cmd_updateActionPerformed(java.awt.event.ActionEvent evt) {GEN-  
FIRST:event_cmd_updateActionPerformed
```

```
// TODO add your handling code here:
```

```
int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to update record?","Update  
Record",JOptionPane.YES_NO_OPTION);
```

```
if(p==0){
```

```
try{
```

```
    String value1 = txt_id.getText();
```

```
    String value2 = txt_username.getText();
```

```
    String value3 = txt_password.getText();
```

```
    String value4 = txt_dep.getText();
```

```
    String sql= "update Users set id='"+value1+"', username='"+value2+"',  
password='"+value3+"',division='"+value4+"' where id='"+value1+"' ";
```

```
    pst=conn.prepareStatement(sql);
```

```
    pst.execute();
```

```
    JOptionPane.showMessageDialog(null, "Record Updated");
```

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

```
JOptionPane.showMessageDialog(null, e);
```

```
}
```

```
finally {
```

```
    try{
```

```
        rs.close();
```

```
        pst.close();
```

```
    }
```

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

```
    }
```

```
}
```

```
}
```

```
Fillcombo();
```

```
//GEN-LAST:event_cmd_updateActionPerformed
```

```
private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_jButton1ActionPerformed
```

```
    // TODO add your handling code here:
```

```
    txt_username.setText("");
```

```
    txt_password.setText("");
```

```
    txt_dep.setText("");
```

```
    txt_id.setText("");
```

```
    } //GEN-LAST:event_jButton1ActionPerformed
```

```
private void cmd_addActionPerformed(java.awt.event.ActionEvent evt) { //GEN-FIRST:event_cmd_addActionPerformed
```

```
    int p = JOptionPane.showConfirmDialog(null, "Are you sure you want to add record?", "Add Record", JOptionPane.YES_NO_OPTION);
```

```
    if(p==0){ // TODO add your handling code here:
```

```
        try {
```

```
            String sql ="insert into Users (username,password,division) values (?,?,?) ";
```

```
            pst=conn.prepareStatement(sql);
```

```
            pst.setString(1,txt_username.getText());
```

```
            pst.setString(2,txt_password.getText());
```

```
            pst.setString(3,txt_dep.getText());
```

```
            pst.execute();
```

```
            JOptionPane.showMessageDialog(null,"Data is saved successfully");
```

```
        }
```

```
        catch (Exception e)
```

```
        {
```

```
            JOptionPane.showMessageDialog(null,e);
```

```

    }

    finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }

    }
}

Fillcombo();

} //GEN-LAST:event_cmd_addActionPerformed

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

```

//</editor-fold>

//</editor-fold>

/* Create and display the form */

```

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

```

private void Fillcombo(){

```

try {
    String sql ="select * from Users";
    pst=conn.prepareStatement(sql);
    rs=pst.executeQuery();

    while(rs.next()) {
        String name =rs.getString("username");
        txt_combo.addItem(name);
    }
}

```

}catch (Exception e){

```

        JOptionPane.showMessageDialog(null, e);
    } finally {

        try{
            rs.close();
            pst.close();

        }
        catch(Exception e){

        }
    }

}

```

```

// Variables declaration - do not modify//GEN-BEGIN:variables

```

```

private javax.swing.JButton cmd_add;
private javax.swing.JButton cmd_delete;
private javax.swing.JButton cmd_update;
private javax.swing.JButton jButton1;
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.JPanel jPanel1;
private javax.swing.JPanel jPanel2;
private javax.swing.JComboBox txt_combo;
private javax.swing.JTextField txt_dep;
private javax.swing.JTextField txt_id;
private javax.swing.JTextField txt_password;

```

```
private javax.swing.JTextField txt_username;  
// End of variables declaration//GEN-END:variables  
}
```

All forms saved with .java extension and written on the apache netbeans editor.

Conclusion

The goal of the initiative is to digitalized personnel databases in businesses and provide administrators access to computers. Employees and administrators use software as an information system. The user can store his or her database safe and secure for an indefinite amount of time here. Adding, deleting, accessing, and changing employee information is simple and easy using the Employee Management System.

When the user gets logged in the system he can then do the following features:

- 1. Add Update Delete Search**
- 2. Employees from the System**
- 3. Add Update Delete**
- 4. Salary details**
- 5. Add Update Delete**
- 6. Leave details**
- 7. Generate and Print Pay Slips**
- 8. Database file is also included**
- 9. GUI is done using Java Swing Framework**