Human Resource Management System [HRMS]

PROJECT REPORT

Submitted by

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Mentor Name

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In partial fulfilment for Technology the award of the degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

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(Deemed to be University U/S 3 of UGC Act, 1956)

BONAFIDE CERTIFICATE

Certified that this project report titled Surgery Scheduling System for Hospital Workflow Optimization is the Bonafide work of DHANESVARAN M (RA2311026050277) KILLARI PHANINDRA (RA2311026050234) DILEEP KUMAR REDDY (RA2311026050250) HARSHA VARDHAN REDDY (RA2311026050219) who carried out the project work under my supervision. Certified further that to the best of my knowledge the work reported herein does not form any other project report or dissertation on the basis of which a degree or award was conferred on an occasion on this or any other candidate.

SIGNATURE	SIGNATURE
Dr. SHANMUGA PRIYA.	Dr. Balaji Ganesh R, M.Tech,Ph.D.
Assistant Professor	Head of the Department
School of Computing,	Department of AI&ML
SRM Institute of Science and	SRM Institute of
Technology,	Science and Technology,
Tiruchirappalli.	Tiruchirappalli.

Submitted Mitted for the project viva-voce held on 25/04/2025 at SRM institute of Science and Technology, Tiruchirappalli

DECLARATION

We hereby declare that the entire work contained in this project report titled by Surgery Scheduling System for Hospital Workflow Optimization DHANESVARAN M (RA2311026050277) KILLARI PHANINDRA (RA2311026050234) DILEEP KUMAR REDDY (RA2311026050250) HARSHA VARDHAN REDDY (RA2311026050219) at SRM Institute of Science and Technology, Tiruchirappalli, under the guidance of Dr. Shanmuga Priya, Assistant Professor, School of Computing.

Place: Tiruchirappalli

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Abstract:

Human resource difficulties face all businesses, large and small.Bacause 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 willhelp you to better manage your resources in the long run

Introduction

Everything has been digitized in our age of ever-increasing technology. The human workforce hasgrown as a result of the abundance of job options. As a result, a system that can handle the data ofsuch 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 "HUMAN RESOURCE MANAGEMENT SYSTEM" was created to address the issues that plagued the previous manual system. This programme 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.

Module Description:

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 resultin 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 deletingemployees, 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

Code:

```
compile.on.save=true

user.properties.file=C:\\Users\\ooo\\AppData\\Roaming\\NetBeans\\13\\build.properties

<?xml version="1.0" encoding="UTF-8"?>

<project-private xmlns="http://www.netbeans.org/ns/project-private/1">

   <editor-bookmarks xmlns="http://www.netbeans.org/ns/editor-bookmarks/2"
lastBookmarkId="0"/>

   <open-files xmlns="http://www.netbeans.org/ns/projectui-open-files/2">

     <group/>

   </open-files>

</project-private>

<project xmlns:if="ant:if" xmlns:j2seproject1="http://www.netbeans.org/ns/j2se-project/1"
xmlns:j2seproject3="http://www.netbeans.org/ns/j2se-project/3"
xmlns:jaxrpc="http://www.netbeans.org/ns/j2se-project/jax-rpc" xmlns:unless="ant:unless"
basedir=".." default="default" name="Employee_Management_System-impl">
```

```xml
<fail message="Please build using Ant 1.8.0 or higher.">
  <condition>
    <not>
      <antversion atleast="1.8.0"/>
    </not>
  </condition>
</fail>
<target depends="test,jar,javadoc" description="Build and test whole project." name="default"/>
<!--
<target name="-pre-init">
  <!-- Empty placeholder for easier customization. -->
  <!-- You can override this target in the ../build.xml file. -->
</target>
<target depends="-pre-init" name="-init-private">
  <property file="nbproject/private/config.properties"/>
  <property file="nbproject/private/configs/${config}.properties"/>
  <property file="nbproject/private/private.properties"/>
</target>
<target depends="-pre-init,-init-private" name="-init-user">
  <property file="${user.properties.file}"/>
  <!-- The two properties below are usually overridden -->
  <!-- by the active platform. Just a fallback. -->
  <property name="default.javac.source" value="1.8"/>
  <property name="default.javac.target" value="1.8"/>
</target>
<target depends="-pre-init,-init-private,-init-user" name="-init-project">
  <property file="nbproject/configs/${config}.properties"/>
  <property file="nbproject/project.properties"/>
</target>
<target name="-init-modules-supported">
```

```xml
<condition property="modules.supported.internal" value="true">
  <not>
    <matches pattern="1\.[0-8](\..*)?" string="${javac.source}"/>
  </not>
</condition>
</target>
<target depends="-init-modules-supported" if="modules.supported.internal" name="-init-macrodef-modulename">
  <macrodef name="modulename" uri="http://www.netbeans.org/ns/j2se-project/3">
    <attribute name="property"/>
    <attribute name="sourcepath"/>
    <sequential>
      <loadresource property="@{property}" quiet="true">
        <javaresource classpath="@{sourcepath}" name="module-info.java" parentFirst="false"/>
        <filterchain>
          <stripjavacomments/>
          <linecontainsregexp>
            <regexp pattern="module .* \{"/>
          </linecontainsregexp>
          <tokenfilter>
            <linetokenizer/>
            <replaceregex flags="s" pattern="(\s*module\s+)(\S*)(\s*\{.*)" replace="\2"/>
          </tokenfilter>
          <striplinebreaks/>
        </filterchain>
      </loadresource>
    </sequential>
  </macrodef>
</target>
<target depends="-init-modules-supported,-init-macrodef-modulename" if="modules.supported.internal" name="-init-source-module-properties">
```

```xml
<fail message="Java 9 support requires Ant 1.10.0 or higher.">
    <condition>
      <not>
        <antversion atleast="1.10.0"/>
      </not>
    </condition>
</fail>
<j2seproject3:modulename property="module.name" sourcepath="${src.dir}"/>
<condition property="named.module.internal">
    <and>
      <isset property="module.name"/>
      <length length="0" string="${module.name}" when="greater"/>
    </and>
</condition>
<condition property="unnamed.module.internal">
    <not>
      <isset property="named.module.internal"/>
    </not>
</condition>
<property name="javac.modulepath" value=""/>
<property name="run.modulepath" value="${javac.modulepath}"/>
<property name="module.build.classes.dir" value="${build.classes.dir}"/>
<property name="debug.modulepath" value="${run.modulepath}"/>
<property name="javac.upgrademodulepath" value=""/>
<property name="run.upgrademodulepath" value="${javac.upgrademodulepath}"/>
<condition else="" property="javac.systemmodulepath.cmd.line.arg" value="--system '${javac.systemmodulepath}'">
    <and>
      <isset property="javac.systemmodulepath"/>
      <length length="0" string="${javac.systemmodulepath}" when="greater"/>
```

```xml
      </and>

    </condition>

    <property name="dist.jlink.dir" value="${dist.dir}/jlink"/>

    <property name="dist.jlink.output" value="${dist.jlink.dir}/${application.title}"/>

    <property name="module.name" value=""/>

  </target>

  <target depends="-pre-init,-init-private,-init-user,-init-project,-init-macrodef-property,-init-
modules-supported" name="-do-init">

    <property name="platform.java" value="${java.home}/bin/java"/>

    <available file="${manifest.file}" property="manifest.available"/>

    <condition property="splashscreen.available">

      <and>

        <not>

          <equals arg1="${application.splash}" arg2="" trim="true"/>

        </not>

        <available file="${application.splash}"/>

      </and>

    </condition>

    <condition property="main.class.available">

      <and>

        <isset property="main.class"/>

        <not>

          <equals arg1="${main.class}" arg2="" trim="true"/>

        </not>

      </and>

    </condition>

    <condition property="profile.available">

      <and>

        <isset property="javac.profile"/>

        <length length="0" string="${javac.profile}" when="greater"/>
```

```xml
        <not>

            <matches pattern="1\.[0-7](\..*)?" string="${javac.source}"/>

        </not>

    </and>

</condition>

<condition property="do.archive">

    <or>

        <not>

            <istrue value="${jar.archive.disabled}"/>

        </not>

        <istrue value="${not.archive.disabled}"/>

    </or>

</condition>

<condition property="do.archive+manifest.available">

    <and>

        <isset property="manifest.available"/>

        <istrue value="${do.archive}"/>

    </and>

</condition>

<condition property="do.archive+main.class.available">

    <and>

        <isset property="main.class.available"/>

        <istrue value="${do.archive}"/>

    </and>

</condition>

<condition property="do.archive+splashscreen.available">

    <and>

        <isset property="splashscreen.available"/>

        <istrue value="${do.archive}"/>

    </and>
```

```xml
    </condition>
    <condition property="do.archive+profile.available">
        <and>
            <isset property="profile.available"/>
            <istrue value="${do.archive}"/>
        </and>
    </condition>
    <condition property="have.tests">
        <or>
            <available file="${test.src.dir}"/>
        </or>
    </condition>
    <condition property="have.sources">
        <or>
            <available file="${src.dir}"/>
        </or>
    </condition>
    <condition property="netbeans.home+have.tests">
        <and>
            <isset property="netbeans.home"/>
            <isset property="have.tests"/>
        </and>
    </condition>
    <condition property="no.javadoc.preview">
        <and>
            <isset property="javadoc.preview"/>
            <isfalse value="${javadoc.preview}"/>
        </and>
    </condition>
    <property name="run.jvmargs" value=""/>
```

```xml
<property name="run.jvmargs.ide" value=""/>
<property name="javac.compilerargs" value=""/>
<property name="work.dir" value="${basedir}"/>
<condition property="no.deps">
   <and>
      <istrue value="${no.dependencies}"/>
   </and>
</condition>
<property name="javac.debug" value="true"/>
<property name="javadoc.preview" value="true"/>
<property name="application.args" value=""/>
<property name="source.encoding" value="${file.encoding}"/>
<property name="runtime.encoding" value="${source.encoding}"/>
<property name="manifest.encoding" value="${source.encoding}"/>
<condition property="javadoc.encoding.used" value="${javadoc.encoding}">
   <and>
      <isset property="javadoc.encoding"/>
      <not>
         <equals arg1="${javadoc.encoding}" arg2=""/>
      </not>
   </and>
</condition>
<property name="javadoc.encoding.used" value="${source.encoding}"/>
<property name="includes" value="**"/>
<property name="excludes" value=""/>
<property name="do.depend" value="false"/>
<condition property="do.depend.true">
   <istrue value="${do.depend}"/>
</condition>
<path id="endorsed.classpath.path" path="${endorsed.classpath}"/>
```

```xml
<condition else="" property="endorsed.classpath.cmd.line.arg" value="-
Xbootclasspath/p:'${toString:endorsed.classpath.path}'">
    <and>
        <isset property="endorsed.classpath"/>
        <not>
            <equals arg1="${endorsed.classpath}" arg2="" trim="true"/>
        </not>
    </and>
</condition>
<condition else="" property="javac.profile.cmd.line.arg" value="-profile ${javac.profile}">
    <isset property="profile.available"/>
</condition>
<condition else="false" property="jdkBug6558476">
    <and>
        <matches pattern="1\.[56]" string="${java.specification.version}"/>
        <not>
            <os family="unix"/>
        </not>
    </and>
</condition>
<condition else="false" property="javac.fork">
    <or>
        <istrue value="${jdkBug6558476}"/>
        <istrue value="${javac.external.vm}"/>
    </or>
</condition>
<property name="jar.index" value="false"/>
<property name="jar.index.metainf" value="${jar.index}"/>
<property name="copylibs.rebase" value="true"/>
<available file="${meta.inf.dir}/persistence.xml" property="has.persistence.xml"/>
```

```xml
<condition property="junit.available">

  <or>

    <available classname="org.junit.Test" classpath="${run.test.classpath}"/>

    <available classname="junit.framework.Test" classpath="${run.test.classpath}"/>

  </or>

</condition>

<condition property="testng.available">

  <available classname="org.testng.annotations.Test" classpath="${run.test.classpath}"/>

</condition>

<condition property="junit+testng.available">

  <and>

    <istrue value="${junit.available}"/>

    <istrue value="${testng.available}"/>

  </and>

</condition>

<condition else="testng" property="testng.mode" value="mixed">

  <istrue value="${junit+testng.available}"/>

</condition>

<condition else="" property="testng.debug.mode" value="-mixed">

  <istrue value="${junit+testng.available}"/>

</condition>

<property name="java.failonerror" value="true"/>
</target>
<target name="-post-init">

  <!-- Empty placeholder for easier customization. –
```
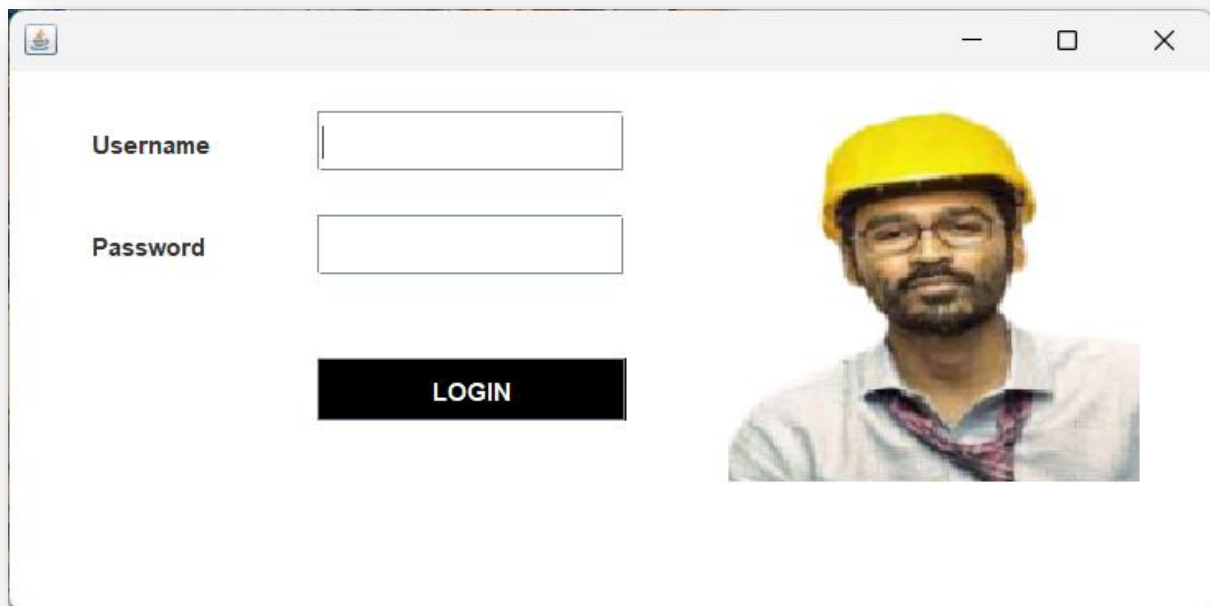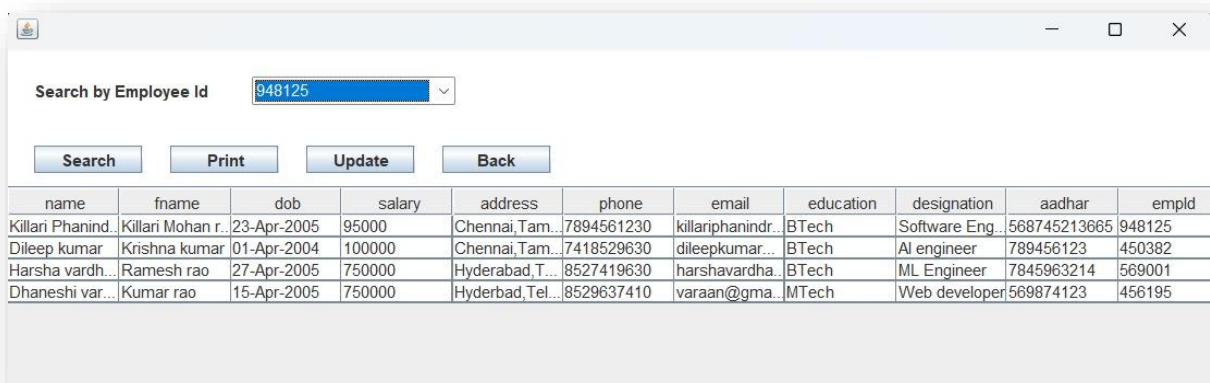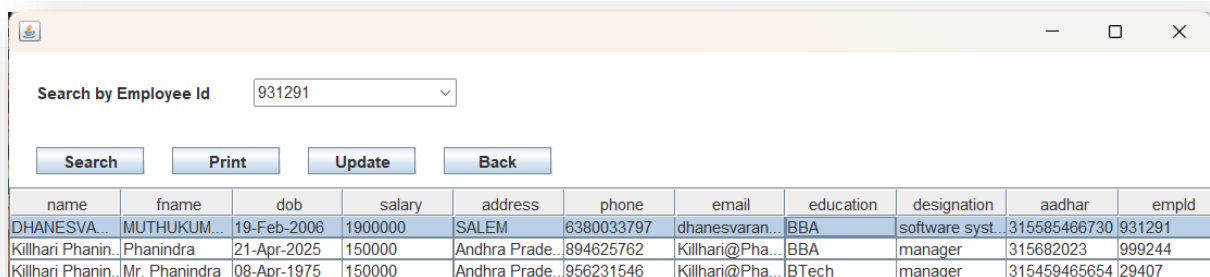
SCREENSHOT - USER INTERFACE

name	fname	dob	salary	address	phone	email	education	designation	aadhar	empId
Killari Phanind...	Killari Mohan r...	23-Apr-2005	95000	Chennai,Tam...	7894561230	killariphanindr...	BTech	Software Eng...	568745213665	948125
Dileep kumar	Krishna kumar	01-Apr-2004	100000	Chennai,Tam...	7418529630	dileepkumar...	BTech	AI engineer	789456123	450382
Harsha vardh...	Ramesh rao	27-Apr-2005	750000	Hyderabad,T...	8527419630	harshavardha...	BTech	ML Engineer	7845963214	569001
Dhaneshi var...	Kumar rao	15-Apr-2005	750000	Hyderbad,Tel...	8529637410	varaan@gma...	MTech	Web developer	569874123	456195

name	fname	dob	salary	address	phone	email	education	designation	aadhar	empId
DHANESVA...	MUTHUKUM...	19-Feb-2006	1900000	SALEM	6380033797	dhanesvaran...	BBA	software syst...	315585466730	931291
Killhari Phanin...	Phanindra	21-Apr-2025	150000	Andhra Prade...	894625762	Killhari@Pha...	BBA	manager	315682023	999244
Killhari Phanin...	Mr. Phanindra	08-Apr-1975	150000	Andhra Prade...	956231546	Killhari@Pha...	BTech	manager	315459465654	29407

Add Employee Detail

Name	Killhari Phanindra	Father's Name	Mr. Phanindra
Date of Birth	08-Apr-1975	Salary	150000
Address	Andhra Pradesh	Phone	956231546
Email	Killhari@Phanindra	Higest Education	BTech
Designation	manager	Aadhar Number	315459465654
Employee id	29407		

Add Details   **Back**

Human Resource Management System

CILCK HERE TO CONTINUE

Add Employee Detail

Name   Killari Phanindra   Father's Name   Killari Mohan rao

Date of Birth   23-Apr-2005   Salary   95000

Address   Chennai,Tamil nadu.   Phone   7894561230

Email   killariphanindra@gmail.c

Message ✕

ⓘ **Details added successfully**

OK

BTech

Designation   Software Engineer   568745213665

Employee id   948125

Add Details   **Back**

Employee Id   948125

Name   Killari Phanindra
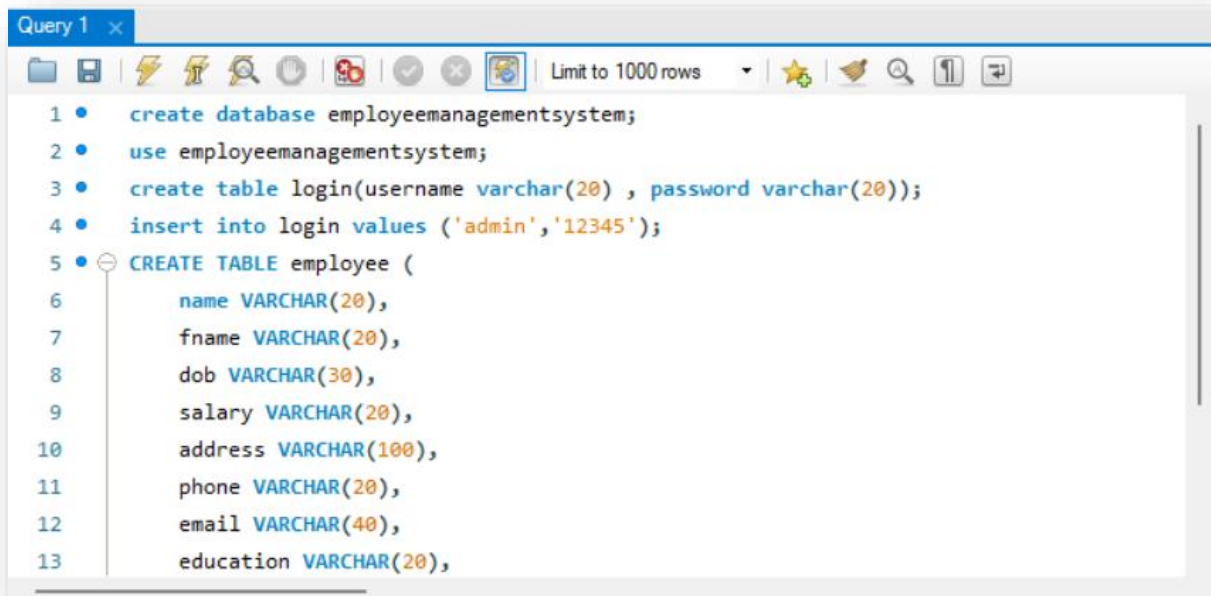
Phone   7894561230
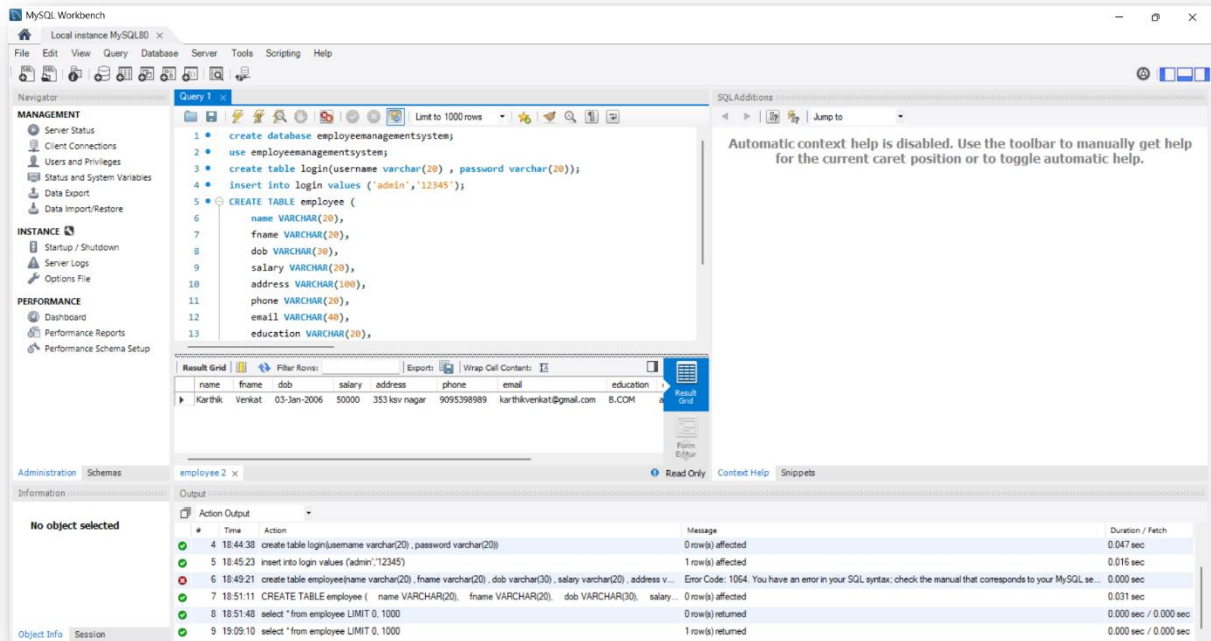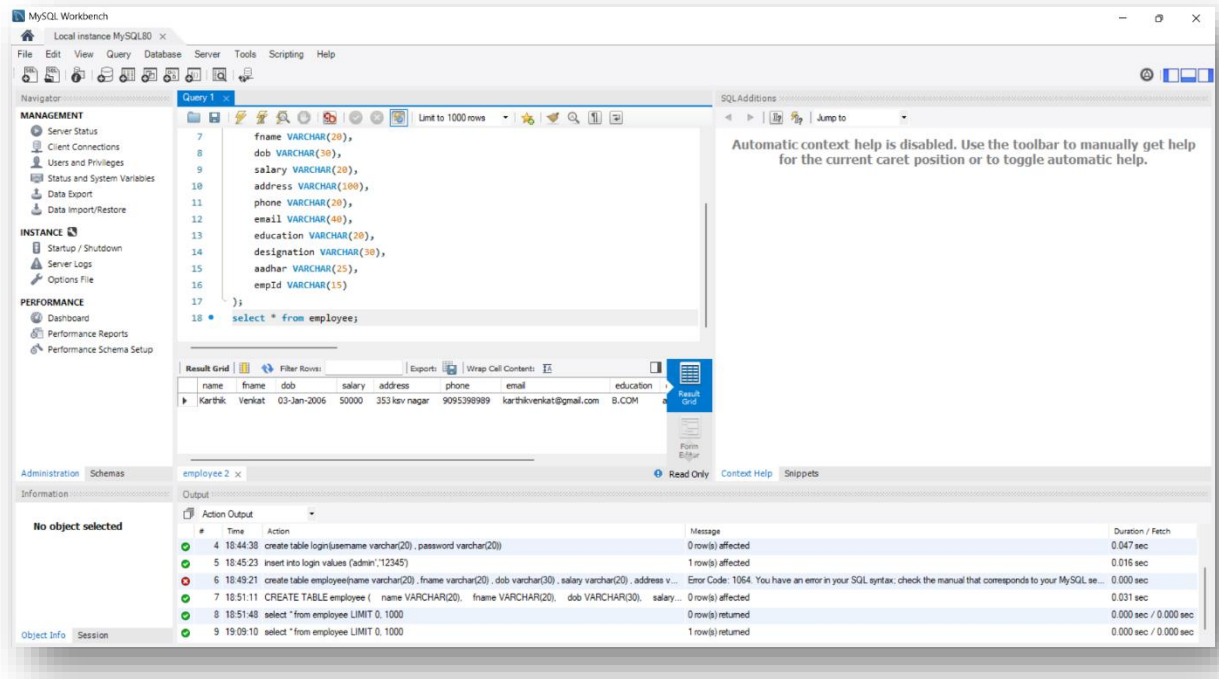
Email   killariphanindra...

Delete   **Back**
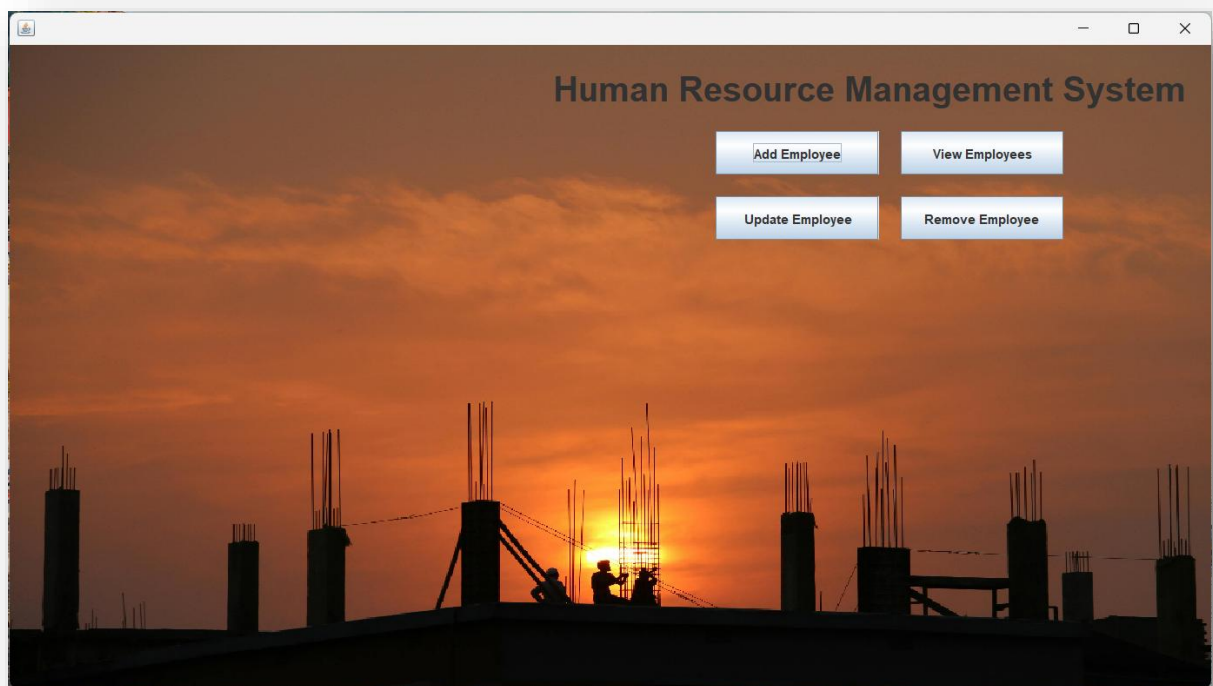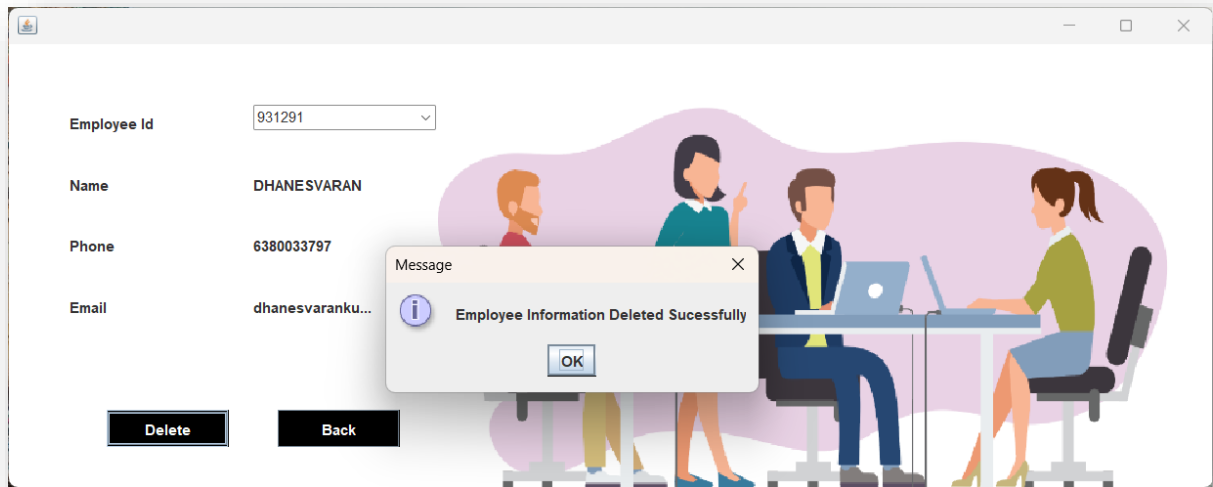
SCREENSHOT – DATABASE

Conclusion

The goal of the initiative is to digitise personnel databases in businesses and provide administratorsaccess 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.

References

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4) Avison, D. and Fitzgerald, G. (2003).Information systems Development Methodologies, Techniques and Tools.3rd Edition. McGraw-Hill Education Limited Bershire

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6) Deitel, PJ & Deitel, HM, 2008, Internet & World Wide Web How To Program,Dorling Kindersley, India.