

A PRELIMINARY REPORT ON
“Email Administration Application”
SUBMITTED TO THE EDUBRIDGE INDIA PRIVATE LIMITED

SUBMITTED BY

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ACKNOWLEDGEMENT

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Miss. Hari Priya V

ABSTRACT

Email Administration Application auto-generates a new email based on the employee's first name, last name, department and organisation name . Along with email a random password is also generated for the employee where the generated password can be updated later if employee wish for a password change.

Chapter 1

INTRODUCTION

1.1 INTRODUCTION

The objective of Email Administration Application is to allow the employee of organization to enter first name, last name, department and organisation so that email will be auto-generated based on provided details. Auto-generated password will also be provided which can be updated later if required.

1.2 System Requirements

1.2.1 Software Requirements

1. Operating System - Windows 10.
2. Platform – Eclipse.
3. Language – Core java, MySQL.

1.3 MODULE

1.3.1 Insert

Insert module will help employee in providing their details like first name, last name, department and organisation. During insertion operation email and password will be auto-generated and will be inserted into the employee table.

```
void InsertRecord() throws ClassNotFoundException, SQLException
{
    Scanner sc = new Scanner(System.in);
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection con =
    DriverManager.getConnection("jdbc:mysql://localhost:3307/EmailDB","root","root");
    PreparedStatement st = con.prepareStatement("insert into Employee
    values(?,?,?,?,?,?,?,?)");

    System.out.println("Enter employee Id : ");
    int id = sc.nextInt();
    ed1.setEmpId(id);
    st.setInt(1, id);

    System.out.println("Enter Employee First Name : ");
    String fn = sc.next();
    ed1.setFirstname(fn);
    st.setString(2, fn);

    System.out.println("Enter Employee Last Name : ");
    String ln = sc.next();
    ed1.setLastname(ln);
    st.setString(3, ln);
```

```

System.out.println("Enter Employee Department : ");
String dept = sc.next();
ed1.setDepartment(dept);
st.setString(4, dept);

System.out.println("Enter Employee Organisation : ");
String org = sc.next();
ed1.setOrganisation(org);
st.setString(5, org);

String genemail = ed1.emailGenrate();
st.setString(6, genemail);

String genpwd = ed1.passwordGenerate();
st.setString(7, genpwd);

int j = st.executeUpdate();
System.out.println(j+" record inserted");
con.close();

System.out.println();
}

```

1.3.2 Retrieve

This module will help the employee to retrieve details of all employee's.

```

void RetriveRecord() throws ClassNotFoundException, SQLException
{
Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3307/EmailDB","root","root");
PreparedStatement ps = con.prepareStatement("select * from employee");
ResultSet rs = ps.executeQuery();
System.out.println("Employee Id"+"  FirstName "+"LastName "+"Department "+"
Organisation "+" Email "+"
Password ");
while(rs.next())
{
System.out.println(rs.getString(1)+"
"+rs.getString(2)+"
"+rs.getString(3)+"
"+rs.getString(4)+"
"+rs.getString(5)+"
"+rs.getString(6)+"
"+rs.getString(7));
}
System.out.println();
}

```

1.3.3 Update

This module will help the employee to change password.

```

void UpdateRecord() throws ClassNotFoundException, SQLException
{
Scanner sc = new Scanner(System.in);
Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3307/EmailDB","root","root");
PreparedStatement ps = con.prepareStatement("update employee
set password=? where empid=?");

```

```

        System.out.println("Enter the id of employee : ");
        ps.setInt(2, sc.nextInt());

        System.out.println("Enter the password to be updated :");
        ps.setString(1, sc.next());

        int i = ps.executeUpdate();
        System.out.println(i+" record updated");
        con.close();

        System.out.println();
    }
}

```

1.3.4 Delete

This module will help the employee to delete the record.

```

DeleteRecord() throws ClassNotFoundException, SQLException
{
    Scanner sc = new Scanner(System.in);
    Class.forName("com.mysql.jdbc.Driver");
    Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3307/EmailDB","root","root");
    PreparedStatement ps = con.prepareStatement("delete from
employee where empid=?");

    System.out.println("Enter the id of employee : ");
    ps.setInt(1, sc.nextInt());

    int i = ps.executeUpdate();
    System.out.println(i+" record deleted");
    con.close();
    System.out.println();
}
}

```

1.4 ADVANTAGES

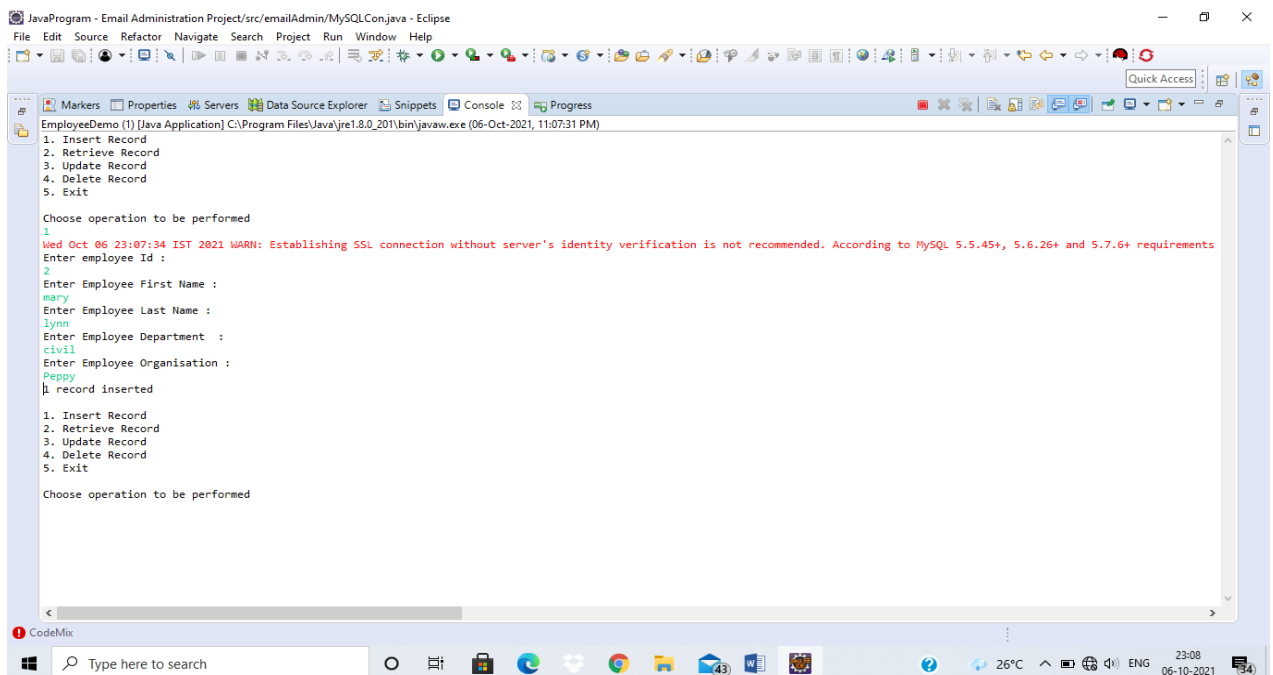
- 1.Eco-Friendly: paperwork can be avoided.
- 2.Efficient control over employee data.
- 3.Cost-efficient and User-friendly.
- 4.Easy access to manage employee information.

Chapter 2

PROJECT IMPLEMENTATION

2.1 SCREEN

Insert page



The screenshot shows the Eclipse IDE with the 'Console' view open. The output displays a menu for inserting a record, followed by user input for employee details. A warning message about SSL connection is also visible.

```
EmployeeDemo (1) [Java Application] C:\Program Files\Java\jre1.8.0_201\bin\javaw.exe (06-Oct-2021, 11:07:31 PM)
1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

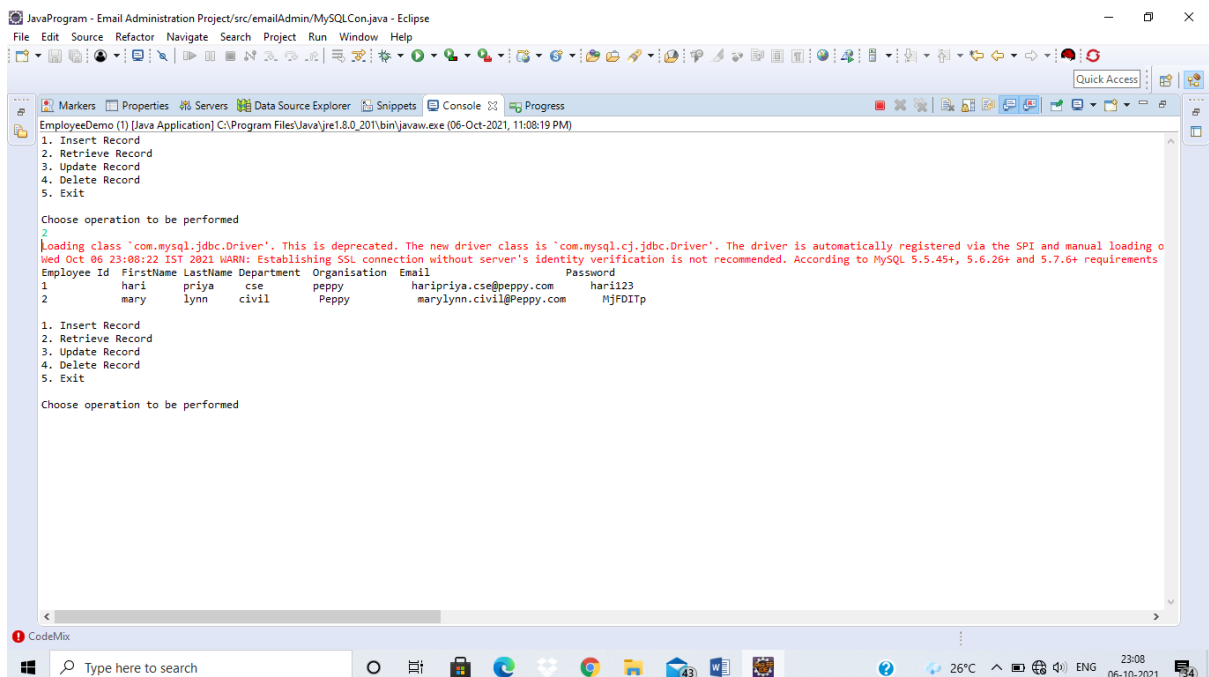
Choose operation to be performed
1
Wed Oct 06 23:07:34 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements
Enter employee Id :
2
Enter Employee First Name :
mary
Enter Employee Last Name :
lynn
Enter Employee Department :
civil
Enter Employee Organisation :
Peppy
1 record inserted

1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

Choose operation to be performed
```

2.2 SCREEN

Retrieve page



The screenshot shows the Eclipse IDE with the 'Console' view open. The output displays a menu for retrieving a record, followed by a table of employee data. A warning message about SSL connection is also visible.

```
EmployeeDemo (1) [Java Application] C:\Program Files\Java\jre1.8.0_201\bin\javaw.exe (06-Oct-2021, 11:08:19 PM)
1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

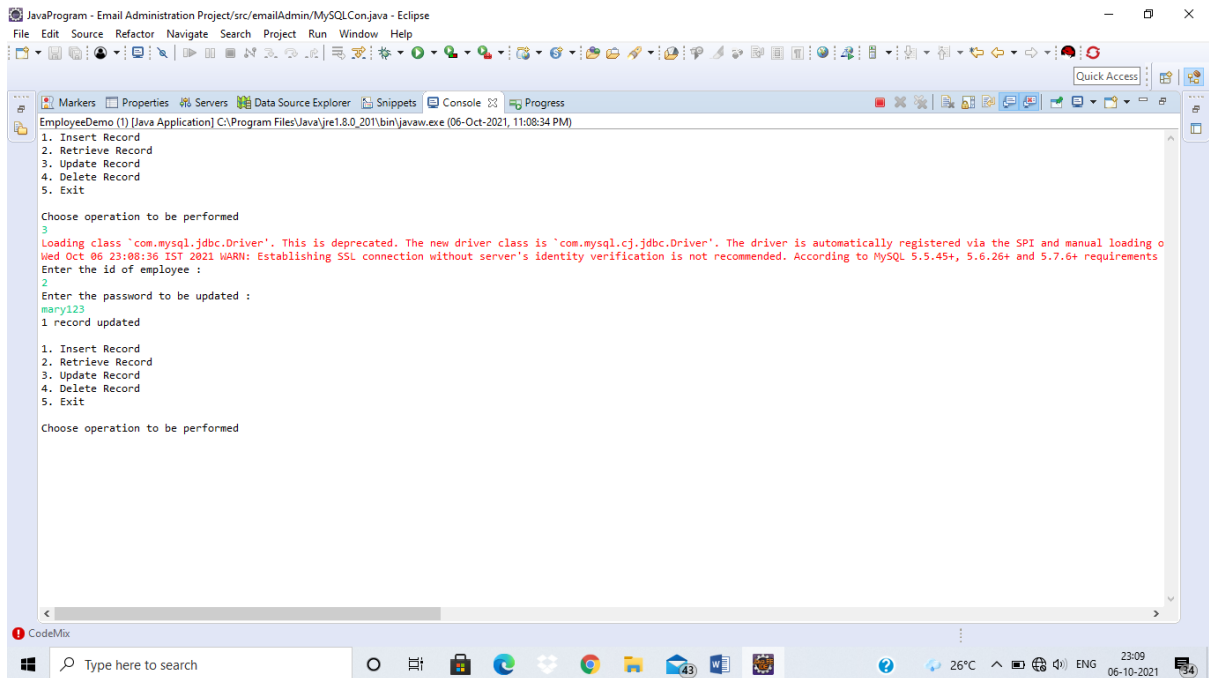
Choose operation to be performed
2
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading o
Wed Oct 06 23:08:22 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements
Employee Id  FirstName  LastName  Department  Organisation  Email  Password
1  haripriya  priya  cse  peppy  haripriya.cse@peppy.com  har1123
2  mary  lynn  civil  Peppy  marylynn.civil@Peppy.com  MjFDITp

1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

Choose operation to be performed
```

2.3 SCREEN

Update page



The screenshot shows the Eclipse IDE with the 'Console' view open. The application is 'EmployeeDemo (1) [Java Application]' running at 'C:\Program Files\Java\jre1.8.0_201\bin\javaw.exe' on '06-Oct-2021, 11:08:34 PM'. The console output shows the following sequence of events:

```
1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

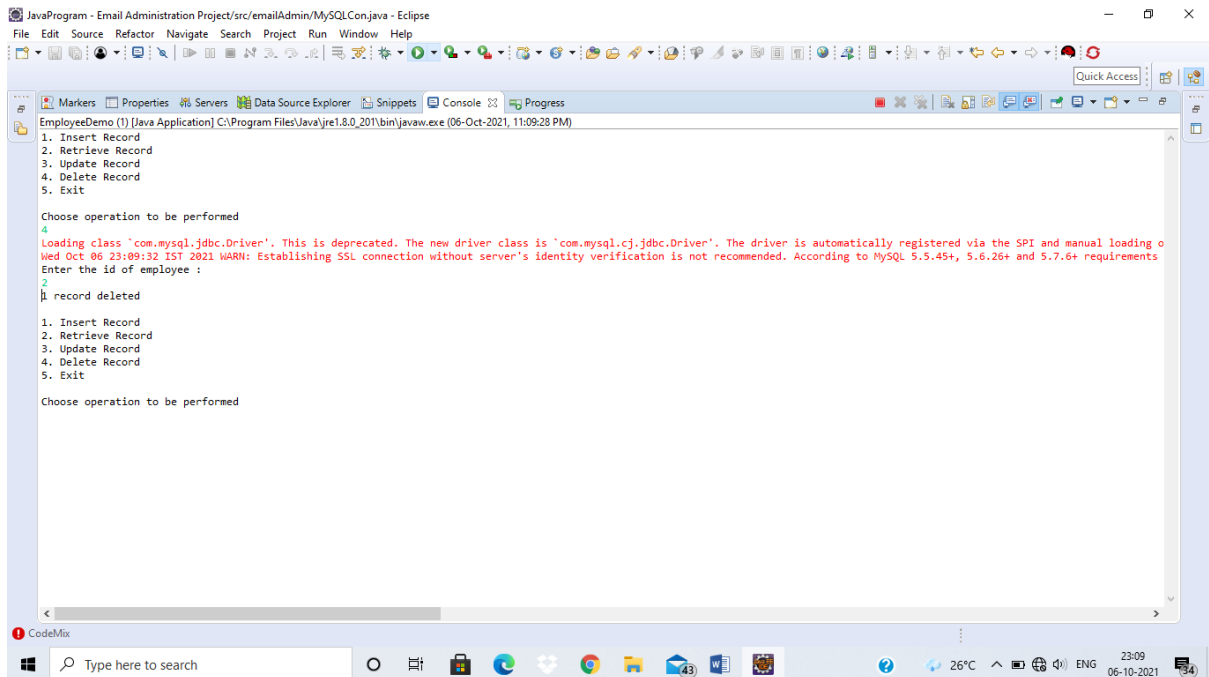
Choose operation to be performed
3
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading o
Wed Oct 06 23:08:36 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements
Enter the id of employee :
2
Enter the password to be updated :
mary123
1 record updated

1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

Choose operation to be performed
```

2.4 SCREEN

Delete page



The screenshot shows the Eclipse IDE with the 'Console' view open. The application is 'EmployeeDemo (1) [Java Application]' running at 'C:\Program Files\Java\jre1.8.0_201\bin\javaw.exe' on '06-Oct-2021, 11:09:28 PM'. The console output shows the following sequence of events:

```
1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

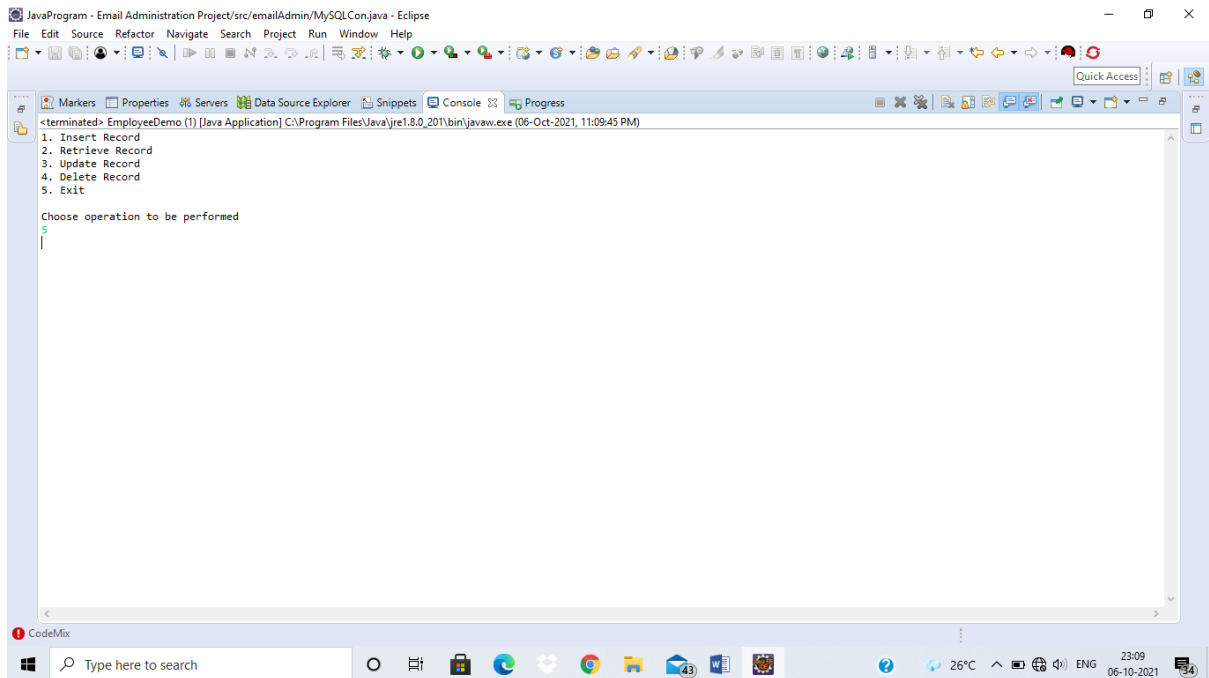
Choose operation to be performed
4
Loading class 'com.mysql.jdbc.Driver'. This is deprecated. The new driver class is 'com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI and manual loading o
Wed Oct 06 23:09:32 IST 2021 WARN: Establishing SSL connection without server's identity verification is not recommended. According to MySQL 5.5.45+, 5.6.26+ and 5.7.6+ requirements
Enter the id of employee :
2
1 record deleted

1. Insert Record
2. Retrieve Record
3. Update Record
4. Delete Record
5. Exit

Choose operation to be performed
```


2.5 SCREEN

Exit page



Chapter 3

CONCLUSIONS

3.1 CONCLUSIONS

Email Administration Application will provide email and password based on the details provided so that the organisation can uniquely access the email address for communicating and also provides an option for changing password.