A PRELIMINARY REPORT ON

"Email Administration Application"

SUBMITTED TO THE EDUBRIDGE INDIA PRIVATE LIMITED

SUBMITTED BY

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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.

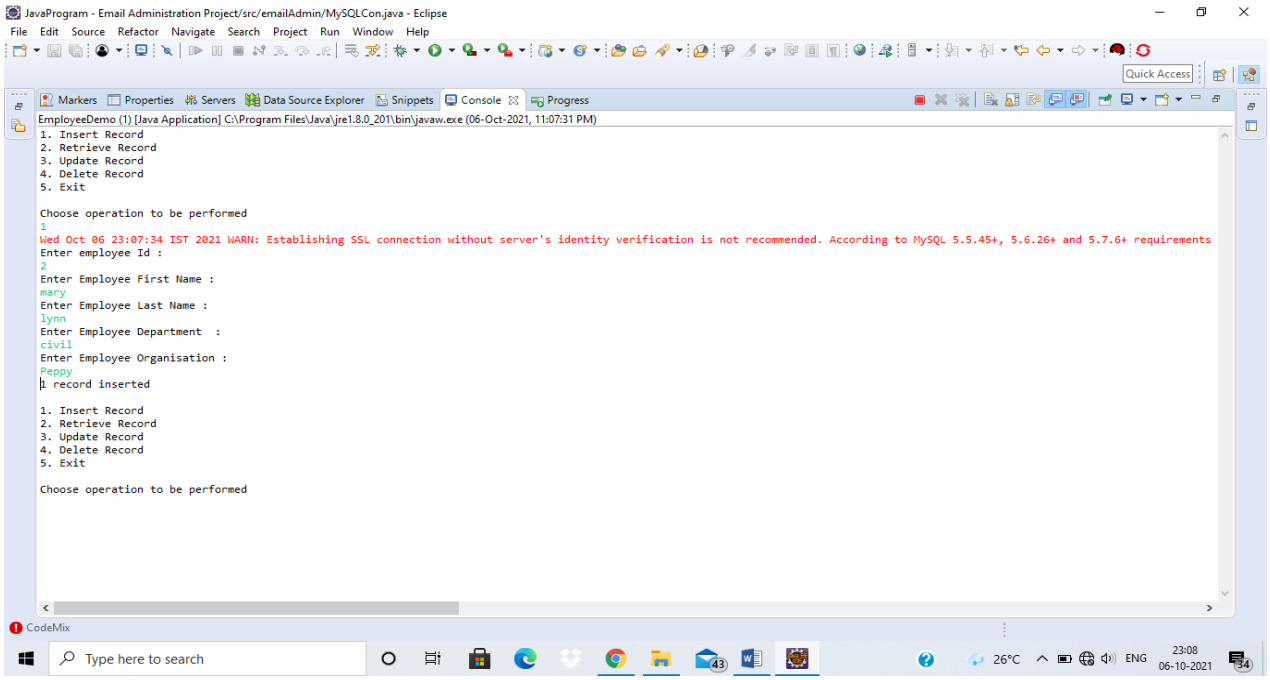
4.Easy access to manage employee information.

Chapter 2

PROJECT IMPLEMENTATION

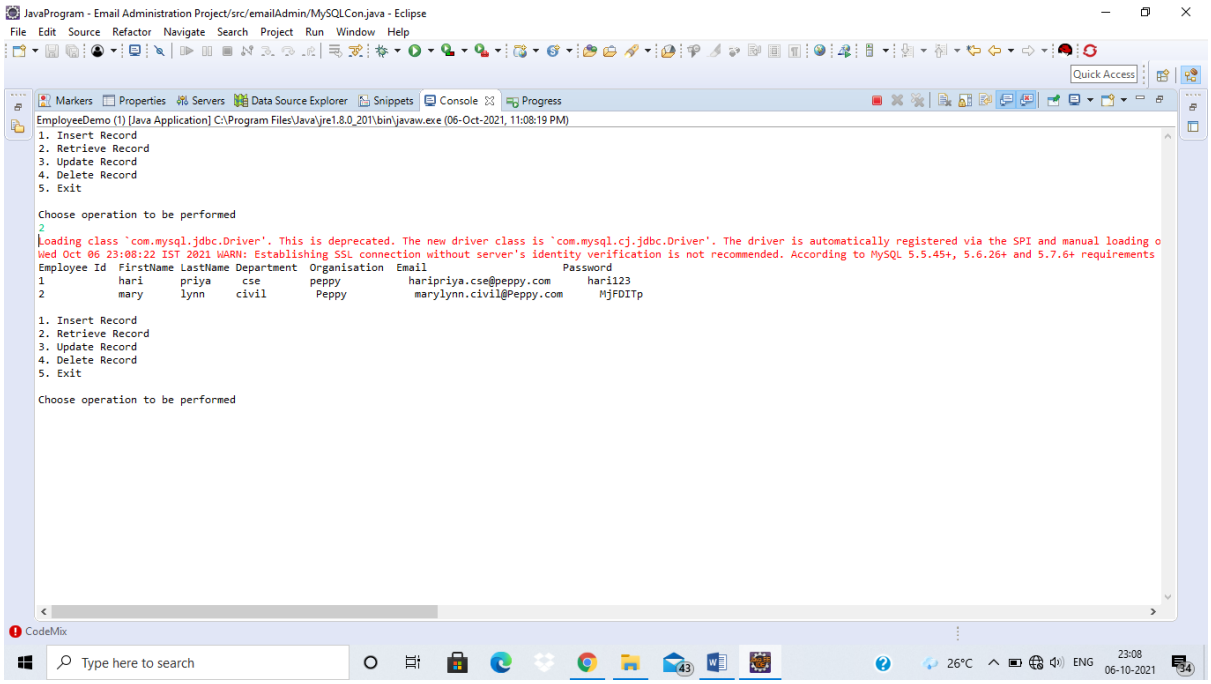
2.1 SCREEN

Insert page



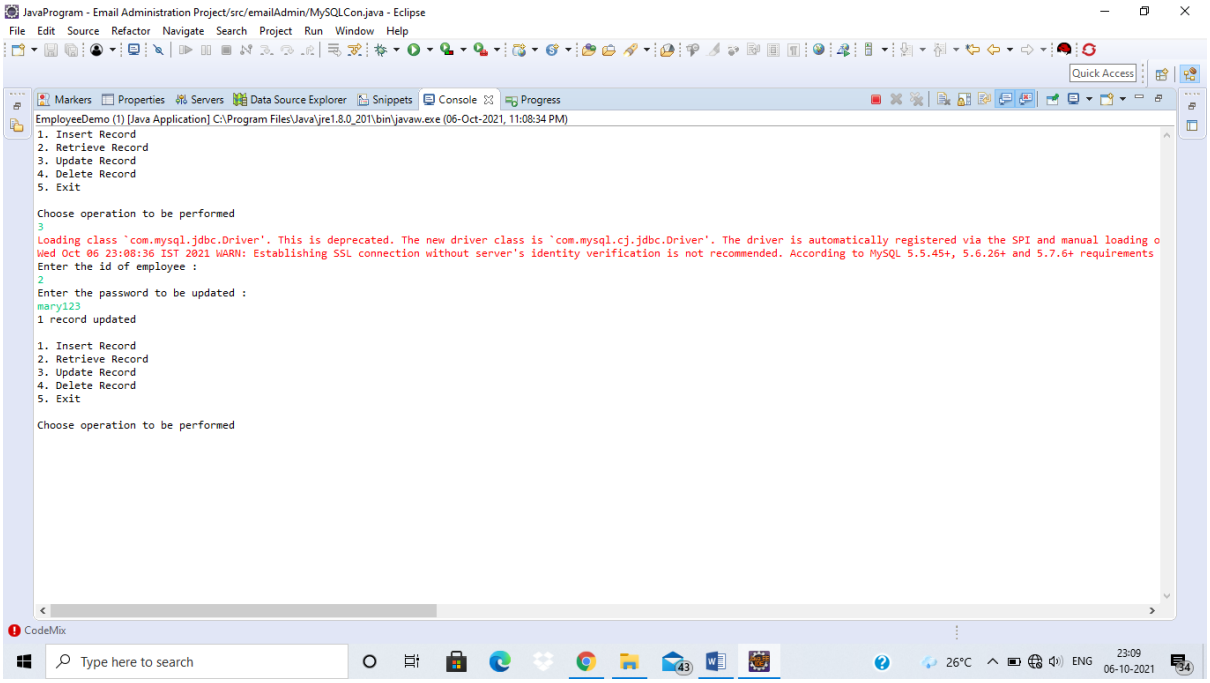
2.2 SCREEN

Retrieve page



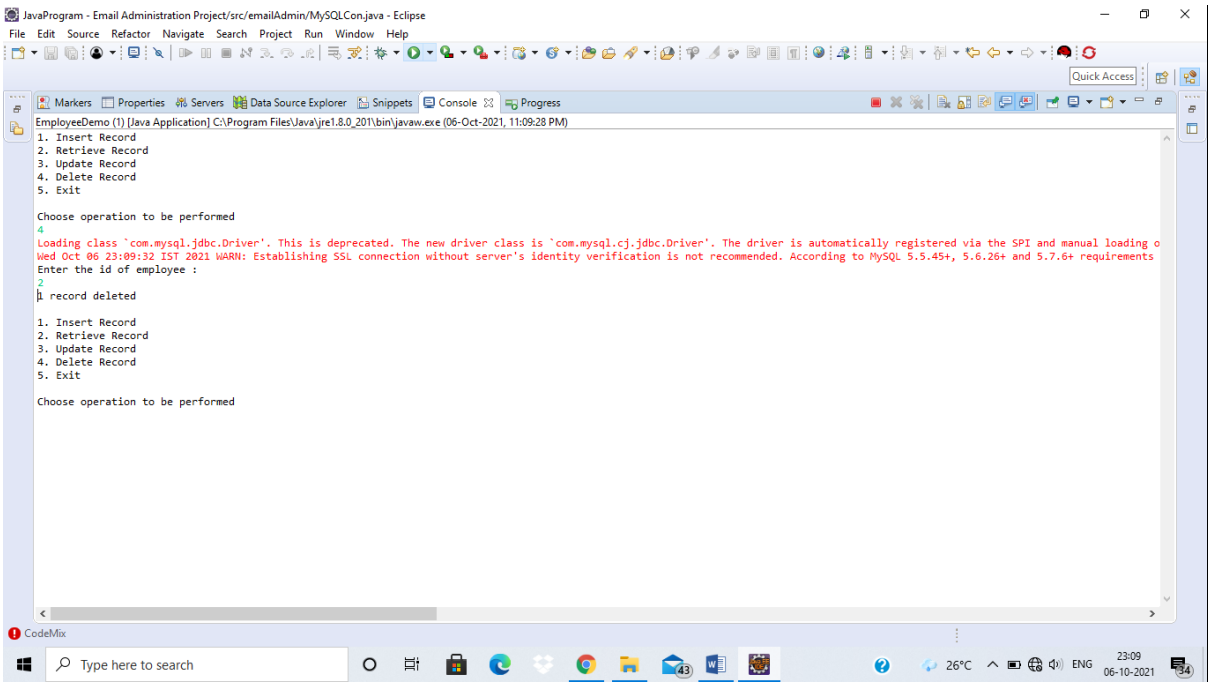
2.3 SCREEN

Update page



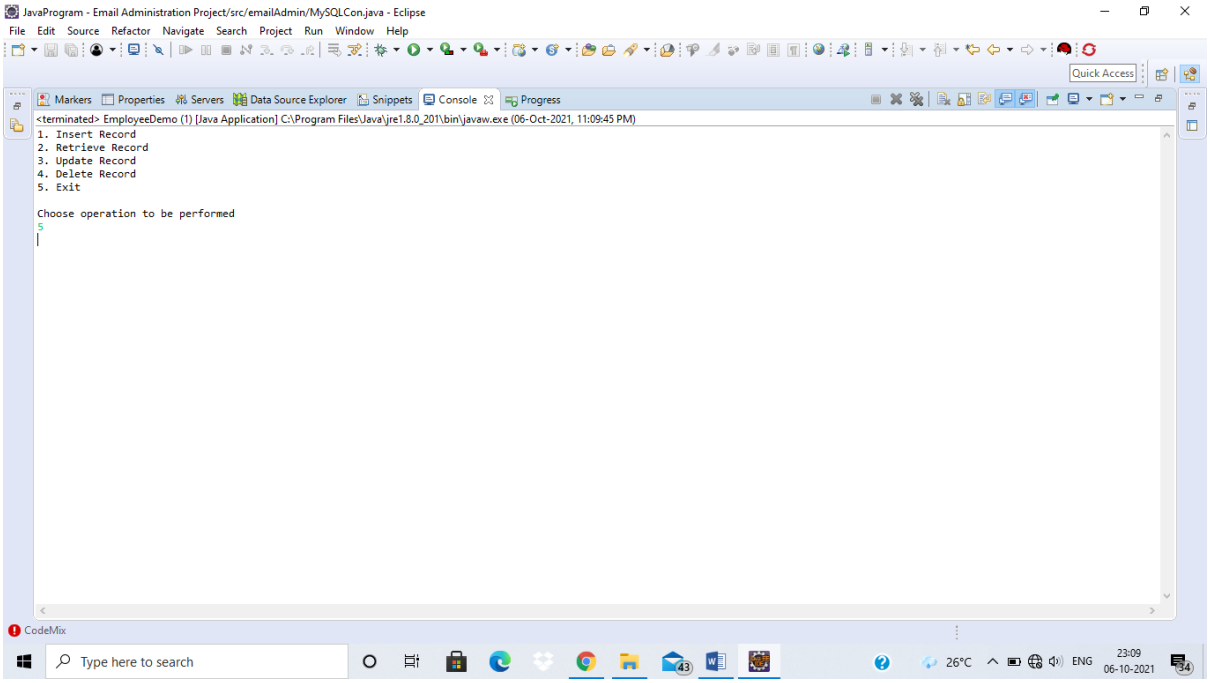
2.4 SCREEN

Delete page



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.