Assignemnt-3

Q) Implementing JDBC commands using JAVA.

→Select, Update, Insert and Delete records in JDBC

Code:

```java
import java.io.*;
import java.sql.*;
class EmployeeRecord
{
    public static final String DBURL = "jdbc:oracle:thin:@localhost:1521:XE";
    public static final String DBUSER = "local";
    public static final String DBPASS = "test";
    public static void main(String args[])
    {
        try
        {
            //Loading the driver
            Class.forName("oracle.jdbc.driver.OracleDriver");
            //Cretae the connection object
            Connection con = DriverManager.getConnection(DBURL, DBUSER, DBPASS);
            //Insert the record
            String sql = "INSERT INTO emp (emp_id, empname, email, city) VALUES (?, ?,
?, ?)";

            PreparedStatement statement = con.prepareStatement(sql);
            statement.setInt(1, 100);
            statement.setString(2, "Prashant");
            statement.setString(3, "prasant@saxena.com");
            statement.setString(4, "Pune");

            int rowsInserted = statement.executeUpdate();
            if (rowsInserted > 0)
            {
                System.out.println("A new employee was inserted successfully!\n");
            }
            // Display the record
            String sql1 = "SELECT * FROM Emp";
            Statement stmt = con.createStatement();
            ResultSet result = stmt.executeQuery(sql1);

            while (result.next())
            {
                System.out.println (result.getInt(1)+" "+
                result.getString(2)+" "+
                result.getString(3)+" "+
                result.getString(4));
            }
```

```java
            //Update the record
            String sql2 = "Update Emp set email = ? where empname = ?";
            PreparedStatement pstmt = con.prepareStatement(sql2);
            pstmt.setString(1, "Jaya@gmail.com");
            pstmt.setString(2, "Jaya");
            int rowUpdate = pstmt.executeUpdate();
            if (rowUpdate > 0)
            {
                System.out.println("\nRecord updated successfully!!\n");
            }

            //Delete the record
            String sql3 = "DELETE FROM Emp WHERE empname=?";
            PreparedStatement statement1 = con.prepareStatement(sql3);
            statement1.setString(1, "Prashant");

            int rowsDeleted = statement1.executeUpdate();
            if (rowsDeleted > 0)
            {
                System.out.println("A Employee was deleted successfully!\n");
            }
        }
        catch(Exception ex)
        {
            ex.printStackTrace();
        }
    }
}
```