

Dt : 30/9/2024(Day-5)

****imp***

Steps used to establish communication to Database Product:

step-1 : Loading driver

step-2 : Creating Connection

step-3 : Preparing JDBC-statement

step-4 : Executing query

step-5 : Closing connection

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Construct JDBC Application using IDE Eclipse:

step-1 : Open IDE Eclipse,while opening name the WorkSpace and Click "Launch"

step-2 : Create Java Project

step-3 : Add DB-Jar file to Java Project through Build-path

RightClick on Java Project->Build path->Configure Build Path->Libraries->select 'Classpath'

and click 'Add External Jars'->Browse and select DB-Jar file from User defined folder->

Open->Apply->Apply and Close.

step-4 : Create package in "src"

step-5 : Create class in Package and write JDBC-Code to display all details of Customer.

Program : DBCon1.java

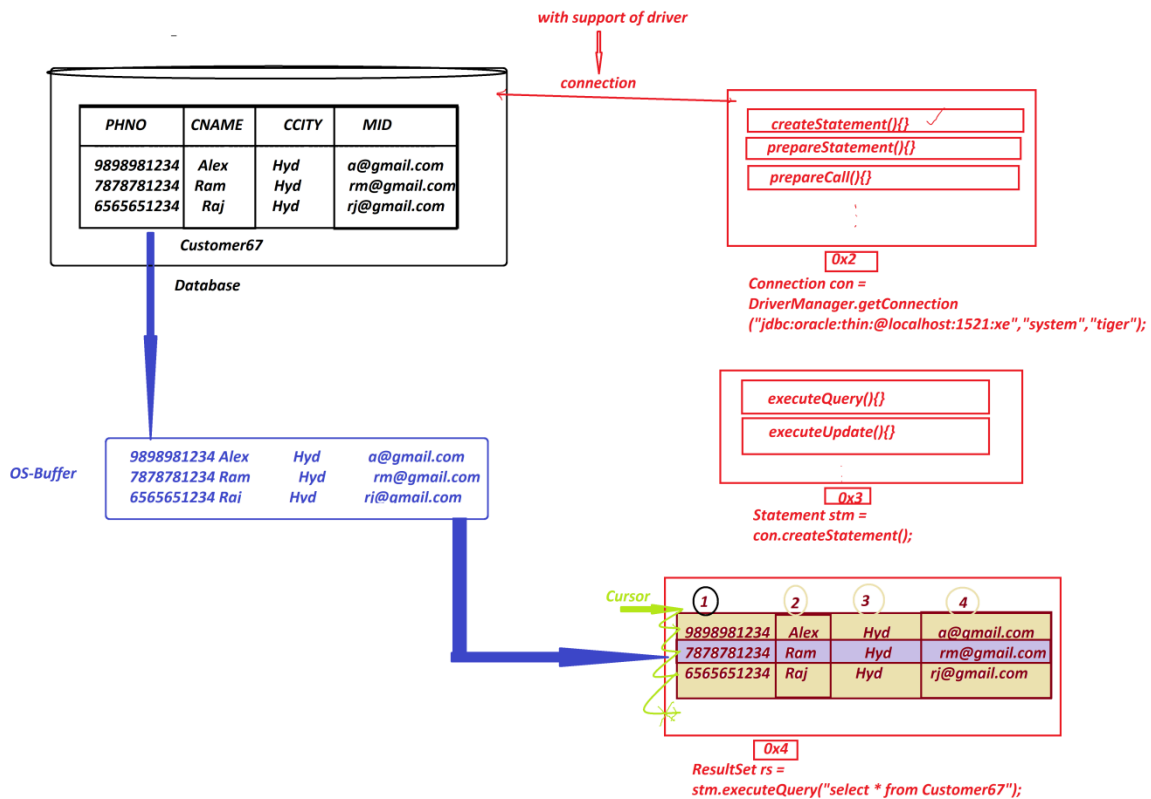
```
package test;
import java.sql.*;
public class DBCon1 {
    public static void main(String[] args) {
        try {
            //step-1 : Loading driver
            Class.forName("oracle.jdbc.driver.OracleDriver");
            //step-2 : Creating Connection
            Connection con = DriverManager.getConnection
("jdbc:oracle:thin:@localhost:1521:xe", "system", "tiger");
            //step-3 : Preparing JDBC-statement
            Statement stm = con.createStatement();
            //step-4 : Executing query
            ResultSet rs = stm.executeQuery("select * from Customer67");
            System.out.println("-----CustomerDetails-----");
            while(rs.next())
            {
                System.out.println(rs.getLong(1)+"\t"+rs.getString(2)+"\t"+
                    rs.getString(3)+"\t"+rs.getString(4));
            }
            //end of loop
            //step-5 : Closing connection
            con.close();
        } catch (Exception e) {
            System.out.println(e.toString());
        }
    }
}
```

o/p:

-CustomerDetails-----

9898981234	Alex	Hyd	a@gmail.com
7878781234	Ram	Hyd	rm@gmail.com
6565651234	Raj	Hyd	rj@gmail.com

Layout:



Assignment-1:

step-1 : Create DB Table with name BookDetails67 from SQLCommandLine

(bcode,bname,bauthor,bprice,bqty)

Primary Key : bcode

step-2 : Insert min 5 BookDetails from SQLCommandLine

step-3 : Construct JDBC Application to display all BookDetails.