

Dt : 6/1/2025

=>We use the following steps to perform communication with Database product:

Step-1 : Loading driver

Step-2 : Creating Connection

Step-3 : Creating JDBC-statement

Step-4 : Executing query

Step-5 : Closing the 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 JavaProject->Build path->Configure Build Path->Libraries->select 'Classpath'

and click 'Add External JARS'->Browse and select DB-Jar-File->Open->Apply->Apply and Close.

step-4 : Create package in 'src'

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

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 : Creating JDBC-statement
        Statement stm = con.createStatement();

        //Step-4 : Executing query
        ResultSet rs = stm.executeQuery("select * from Customer70");
        System.out.println("-----Customer Details-----");
        while(rs.next())
        {
            System.out.println(rs.getInt(1)+"\t"+rs.getString(2)+"\t"+
                rs.getString(3)+"\t"+rs.getString(4)+"\t"+rs.getLong(5));
        } //end of loop

        // Step-5 : Closing the Connection
        con.close();
    } catch (Exception e) {
        e.printStackTrace();
    }
}

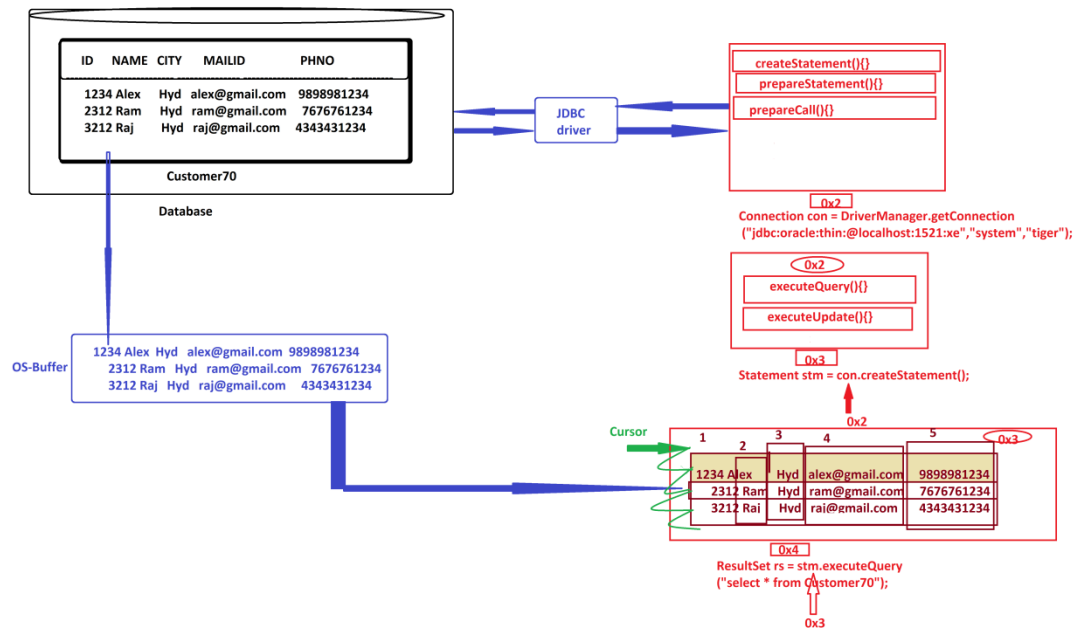
```

o/p:

-----Customer Details-----

1234	Alex	Hyd	alex@gmail.com	9898981234
2312	Ram	Hyd	ram@gmail.com	7676761234
3212	Raj	Hyd	raj@gmail.com	4343431234

Diagram:



Assignment-1 :

step-1 : Construct DB table with name Product70

(code,name,price,qty)

Primary Key : code

Step-2 : Insert Min 5 Product details....

step-3 : Construct JDBC Application to display all product details.