Ex:(Demonstrating Update and Delete Operations using 'Statement');
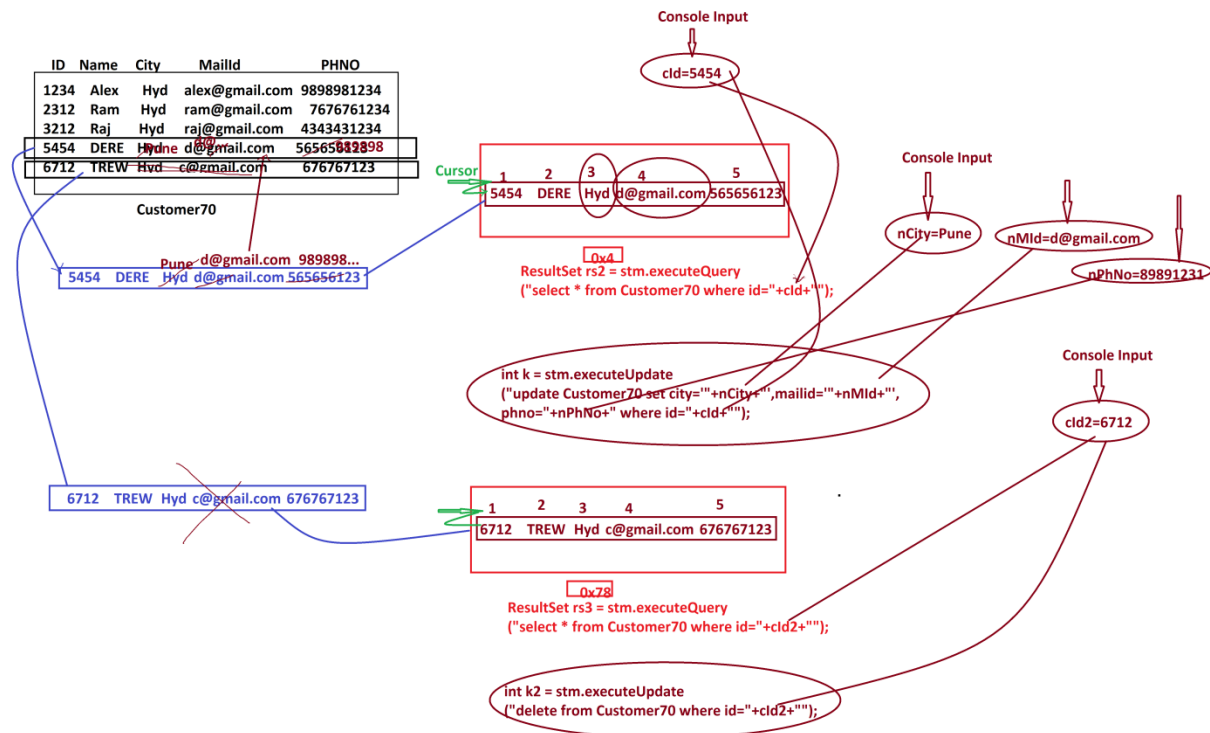

Program : DBCon3.java

```java
package test;
import java.util.*;
import java.sql.*;
public class DBCon3
{
    public static void main(String[] args)
    {
        Scanner s = new Scanner(System.in);
        try(s;){
            Class.forName("oracle.jdbc.driver.OracleDriver");
            Connection con = DriverManager.getConnection

("jdbc:oracle:thin:@localhost:1521:xe","system","tiger");
            Statement stm = con.createStatement();
            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"
```

```java
                                +rs.getString(3)+"\t"
                                +rs.getString(4)+"\t"
                                +rs.getLong(5));
                }//end of loop
                System.out.println("-----Operations Choice-----");
                System.out.println("\t1.UpdateCustomerById"
                            + "\n\t2.DeleteCustomerById");
                System.out.println("Enter your Choice:");
                int choice = Integer.parseInt(s.nextLine());
                switch(choice)
                {
                case 1:
                        System.out.println("Enter the Cust-Id to perform Update
Operation:");
                        int cId = Integer.parseInt(s.nextLine());
                        ResultSet rs2 =
                                stm.executeQuery("select * from Customer70
where id="+cId+"");
                        if(rs2.next()) {
                                System.out.println("Existing
City:"+rs2.getString(3));
                                System.out.println("Enter New City:");
                                String nCity = s.nextLine();
                                System.out.println("Existing
MailId:"+rs2.getString(4));
                                System.out.println("Enter the New MailId:");
                                String nMId = s.nextLine();
                                System.out.println("Existing
PhoneNo:"+rs2.getLong(5));
                                System.out.println("Enter the new PhoneNo:");
                                long nPhNo = Long.parseLong(s.nextLine());

                                int k = stm.executeUpdate
                            ("update Customer70 set
city='"+nCity+"',mailid='"+nMId+"',phno="+nPhNo+" where id="+cId+"");
                                if(k>0) {
                                        System.out.println("Customer details Updated
Successfully....");
                                }
                        }else {
                                System.out.println("Invalid Cust-Id...");
                        }
                        break;
                case 2:
                        System.out.println("Enter the Cust-Id to perform Delete
Operation:");
                        int cId2 = Integer.parseInt(s.nextLine());
                        ResultSet rs3 = stm.executeQuery
                                ("select * from Customer70 where
id="+cId2+"");
```

```java
                    if(rs3.next()) {
                        int k2 = stm.executeUpdate
                                ("delete from Customer70 where
id="+cId2+"");
                        if(k2>0) {
                            System.out.println("Customer details deleted
Successfully....");
                        }
                    }else {
                        System.out.println("Invalid Customer id....");
                    }
                    break;
                default:
                    System.out.println("Invalid Choice....");
            }//end of switch
        }catch(Exception e) {
            e.printStackTrace();
        }
    }
}
```

o/p:(Update Operation)

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

1234	Alex	Hyd	alex@gmail.com	9898981234
2312	Ram	Hyd	ram@gmail.com	7676761234
3212	Raj	Hyd	raj@gmail.com	4343431234
5454	DERE	Hyd	d@gmail.com	565656123
6712	TREW	Hyd	c@gmail.com	676767123

-----Operations Choice-----

1.UpdateCustomerById

2.DeleteCustomerById

Enter your Choice:

1

Enter the Cust-Id to perform Update Operation:

5454

Existing City:Hyd

Enter New City:

Pune

Existing MailId:d@gmail.com

Enter the New MailId:

d@gmail.com

Existing PhoneNo:565656123

Enter the new PhoneNo:

9898983213

Customer details Updated Successfully....

o/p:(Delete Operation)

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

1234	Alex	Hyd	alex@gmail.com	9898981234
2312	Ram	Hyd	ram@gmail.com	7676761234
3212	Raj	Hyd	raj@gmail.com	4343431234
5454	DERE	Pune	d@gmail.com	9898983213
6712	TREW	Hyd	c@gmail.com	676767123

-----Operations Choice-----

1.UpdateCustomerById

2.DeleteCustomerById

Enter your Choice:

2

Enter the Cust-Id to perform Delete Operation:

6712

Customer details deleted Successfully....

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Assignment:(Update above applications)

Assignment-2:

Construct JDBC Application to perform the following operations on Product table

   1.AddProduct

   2.ViewAllProducts

   3.ViewProductByCode

   4.UpdateProductByCode(price-qty)

   5.DeleteProductByCode

Assignment-3:

step-1 : Create table with name Employee70

      (eid,ename,edesg,bsal,hra,da,totsal)

      primary key : eid

step-2 : Construct JDBC Application to perform the following operations on Employee table

      1.AddEmployee

      2.ViewAllEmployees

      3.ViewEmployeeById

      4.UpdateEmployeeById(bSal,hra,da,totSal)

      5.DeleteEmployeeById

hra = 96% of bSal

da = 61% of bsal

totSal = bSal+hra+da;

Console Input : eId,eName,eDesg,bSal

Exception Condition : raise exception when bSal is less than 12000.

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