Dt : 5/3/2025

Note:

(i)'forName()' method is from java.lang.Class and which is used to load the class at

runtime or execution time,in this process the class is not identified by the Compiler

at compilation stage.

(ii)executeQuery()-method will create implementation object for 'ResultSet-Interface' and

the object will hold the result generated from select-queries,and the method also

generate one cursor pointing before the first row.

(iii)we use 'next()' method to move the cursor on ResultSet-object and which generate

boolean result.

Ex:

Construct JDBC Application to display Customer details based on PhoneNo.

Diagram:

Program : DBCon2.java

package test;

import java.sql.;*

import java.util.;;*

public class DBCon2

{

public static void main(String[] args)

{

Scanner s = new Scanner(System.in);

try(s;)

```java
{

    Class.forName("oracle.jdbc.driver.OracleDriver");

    Connection con = DriverManager.getConnection

                ("jdbc:oracle:thin:@localhost:1521:xe","system","tiger");

    Statement stm = con.createStatement();

    System.out.println("Enter the Cust-PhoneNo to display details:");

    long pNo = s.nextLong();

    ResultSet rs = stm.executeQuery

                ("select * from Customer72 where phno="+pNo+"");

    if(rs.next()) {

            System.out.println(rs.getLong(1)+"\t"

                        +rs.getString(2)+"\t"

                        +rs.getString(3)+"\t"

                        +rs.getString(4)+"\t"

                        +rs.getString(5));

    }else {

            System.out.println("Invalud Cust-PhNo....");

    }

    con.close();

}//end of try

catch(Exception e)

{

    e.printStackTrace();

}

    }
```

}

o/P:

Enter the Cust-PhoneNo to display details:

9898981234

9898981234   HM9898981234   Alex   Hyd   a@gmail.com

Ex:

Construct JDBC Application to read Customer details from Console and insert into Customer72

table(Insert Operation)

Program : DBCon3.java

package test;

import java.sql.;*

import java.util.;*

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();*

*   System.out.println("Enter the Cust-PhoneNO:");*

*   long phNo = Long.parseLong(s.nextLine());*

*   String custId = "HM"+phNo;*

*   System.out.println("Enter the Cust-Name:");*

```java
        String name = s.nextLine();

        System.out.println("Enter the Cust-City:");

        String city = s.nextLine();

        System.out.println("Enter the Cust-MailId:");

        String mId = s.nextLine();

        int k = stm.executeUpdate

        ("insert into Customer72 values("+phNo+",'"+custId+"','"+name+"','"+city+"','"+mId+"')");

        if(k>0) {

                System.out.println("Customer details added Successfully...");

        }

        con.close();

    }catch(Exception e) {

        e.printStackTrace();

    }

        }

}


o/p:

Enter the Cust-PhoneNO:

4545451234

Enter the Cust-Name:

RTER

Enter the Cust-City:

Hyd

Enter the Cust-MailId:
```

r@gmail.com

Customer details added Successfully...

==

Assignment:

DB Table : BookDetails72

      (bcode,bname,bauthor,bprice,bqty)

       primary key : bcode

program-1 : Construct JDBC Application to insert 5 book details

Program-2 : Construct JDBC Application to display all book details

program-3 : Construct JDBC Application to display book details based on bookCode

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