Dt:16/10/2024(Day-17)

Ex:

Program : DBCon13.java

```java
package test;
import java.sql.*;
public class DBCon13
{
      public static void main(String[] args)
      {
      try {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection con = DriverManager.getConnection
                    ("jdbc:oracle:thin:@localhost:1521:xe","system","tiger");
        System.out.println("******DatabaseMetaData******");
        DatabaseMetaData dmd = con.getMetaData();
        System.out.println("Product-Name:"+dmd.getDatabaseProductName());
        System.out.println("Driver-Name:"+dmd.getDriverName());
        PreparedStatement ps1 = con.prepareStatement
                    ("insert into Bank67 values(?,?,?,?)");
        System.out.println("*****ParameterMetaData*****");
        ParameterMetaData pmd = ps1.getParameterMetaData();
        System.out.println("Parameter-Count:"+pmd.getParameterCount());
        PreparedStatement ps2 = con.prepareStatement
                    ("select code,price,qty from Product67");
        ResultSet rs = ps2.executeQuery();
        System.out.println("*****ResultSetMetaData*****");
        ResultSetMetaData rsmd = rs.getMetaData();
        System.out.println("Column-Count:"+rsmd.getColumnCount());
        System.out.println("2nd Column-Name:"+rsmd.getColumnName(2));
        con.close();
      }catch(Exception e) {
        e.printStackTrace();
      }
      }
}
```

o/p:

*******DatabaseMetaData******

Product-Name:Oracle

Driver-Name:Oracle JDBC driver
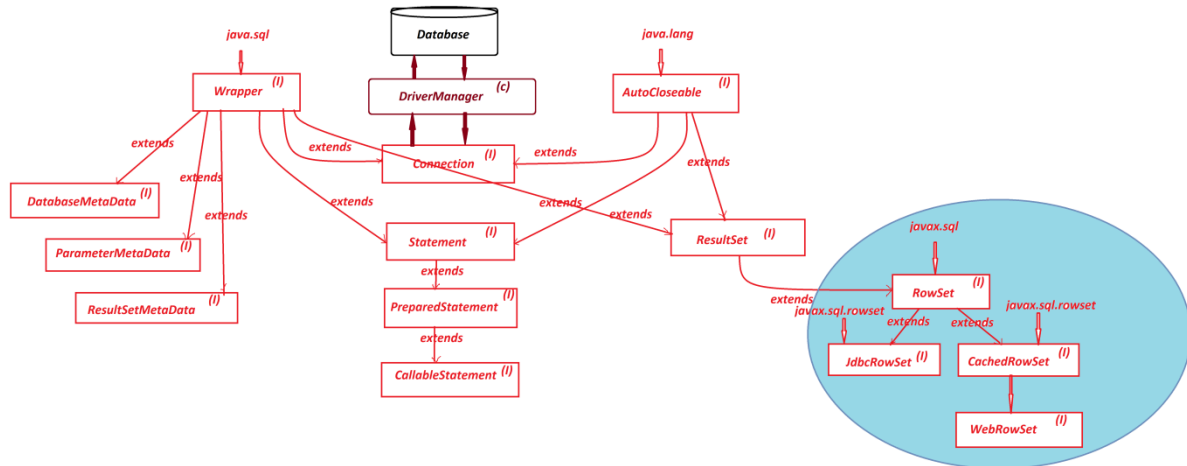
*******ParameterMetaData*****

Parameter-Count:4

*****ResultSetMetaData*****

Column-Count:3

2nd Column-Name:PRICE

==

*imp

Hierarchy of JDBC Components:

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faq:

define 'Wrapper' in JDBC?

=>'Wrapper' is an interface from java.sql package and,which specify the JDBC

components binded to database product or not.

=>The following are two impotant methods from 'Wrapper':

(i)unwrap()

(ii)isWrapperFor()

(i)unwrap():

   =>unwrap()-method will dis-connect the component from Database product.

(ii)isWrapperFor():

   =>isWrapperFor()-method will check the componet is binded to database product

    or not.

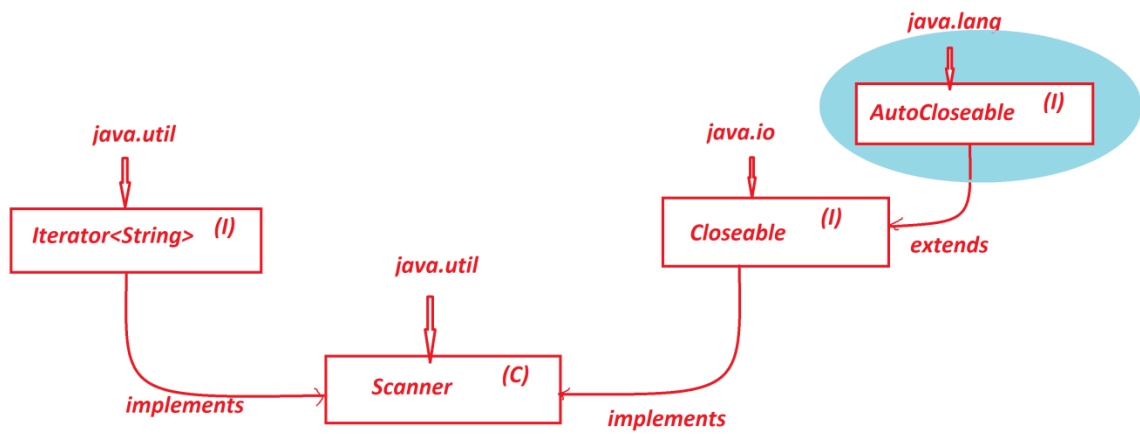 *---*

faq:

define 'AutoCloseable'?

  =>'AutoCloseable' is an interface from 'java.lang' package and which support

   Auto-closing operation in try-with-resourse-statement of Exception handling

   process.

  =>The resource-components which are used in try-with-resource-statement must be

   implemented from 'AutoCloseable' interface.

Hierarchy of Scanner-class:

java.util

Iterator<String>   (I)

java.util

Scanner   (C)

implements

java.io

Closeable   (I)

implements

java.lang

AutoCloseable   (I)

extends

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