

MULESOFT INTERNSHIP SCREENING TEST

NAME: VEERUBHOTLA HARIKA

COLLEGE:KL UNIVERSITY

JDBC(JAVA DATABASE CONNECTIVITY):

TABLE CREATION IN ORACLE:

1.)demonew1.java:

In this particular java code,we just create a table using command “create table tablename(details)” and then we execute that particular code...Then with the given oracle credentials,the given data is executed:

```
package mulesoft;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class demonew1 {
public static void main(String args[])    {
    try
    {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521","system","harika")
;
        Statement stmt=con.createStatement();
        String sql = "CREATE TABLE movieshortdetails " +
            "(movie_name VARCHAR(255), " + "Main_actor VARCHAR(255), " +
            "Main_actress VARCHAR(255), " + "Movie_Director VARCHAR(255), "+ " movie_release_date
INTEGER, " + " PRIMARY KEY (movie_name ))";
        stmt.executeUpdate(sql);
        System.out.println("Table created successfully...");
        con.close();
    }
    catch(Exception e){
        System.out.println(e);
    }
}
}
```

OUTPUT SCREENSHOTS:

```
Run SQL Command Line

SQL> desc movieshortdetails;
Name                               Null?    Type
-----
MOVIE_NAME                         NOT NULL VARCHAR2(255)
MAIN_ACTOR                         VARCHAR2(255)
MAIN_ACTRESS                       VARCHAR2(255)
MOVIE_DIRECTOR                    VARCHAR2(255)
MOVIE_RELEASE_DATE                 NUMBER(38)

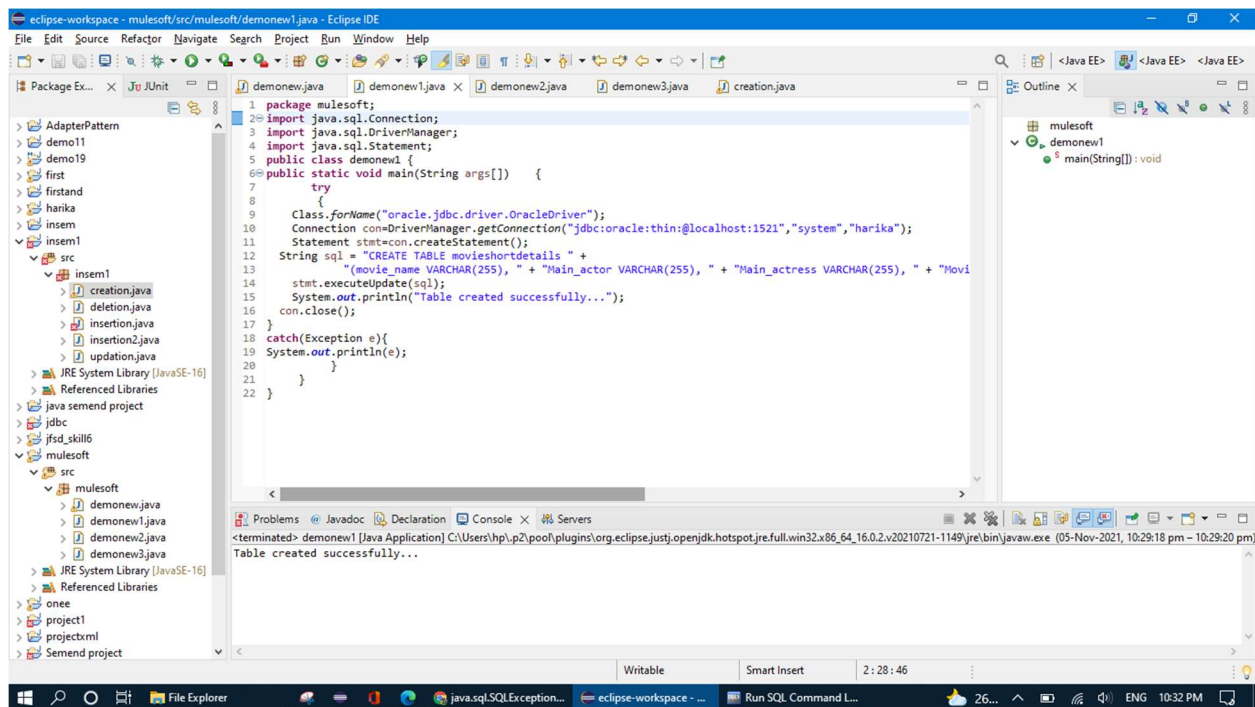
SQL>
```

MuleSoft Internship S... eclipse-workspace - ... Run SQL Command L... Document1 [Compati... 26... ENG 10:52 PM

```
Run SQL Command Line

SQL> desc movieshortdetails;
Name                               Null?    Type
-----
MOVIE_NAME                         NOT NULL VARCHAR2(255)
MAIN_ACTOR                         VARCHAR2(255)
MAIN_ACTRESS                       VARCHAR2(255)
MOVIE_DIRECTOR                    VARCHAR2(255)
MOVIE_RELEASE_DATE                 NUMBER(38)

SQL>
```



2.Inserting the Movie Details into the TABLE(movieshortdetails):

Code(demonew2.java):

In this particular code,As we can see here we are inserting the movie details into the particular allocated table i.e “movieshortdetails”...We created four different statement lines because we are inserting all the given data at a time..When we execute this particular code,the details given here gets stored in the table.

```
package mulesoft;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.Statement;
public class demonew2 {
public static void main(String args[]){
    try {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection
conn=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521","system","harika");
        Statement stmt1 = conn.createStatement();
        Statement stmt2 = conn.createStatement();
        Statement stmt3 = conn.createStatement();
        Statement stmt4 = conn.createStatement();
        String sql1 = "insert into movieshortdetails
values('Bommarillu','Siddharth','Genelia','Bhaskar',2006)";
        String sql2 = "insert into movieshortdetails
values('Manam','Nageswararao','Samantha','Vikram Kumar',2014)";
```

```

String sql3 = "insert into movieshortdetails values('Arya','AlluArjun','Anu
Mehtha','Sukumar',2004)";
String sql4 = "insert into movieshortdetails
values('Avengers','robinhook','harika','sukumar',2018)";
stmt1.executeUpdate(sql1);
stmt2.executeUpdate(sql2);
stmt3.executeUpdate(sql3);
stmt4.executeUpdate(sql4);
System.out.println("Records inserted successfully!");
conn.close();
}
catch(Exception e) {
System.out.println(e);
}
}
}

```

```

1 package mulesoft;
2 import java.sql.Connection;
3 import java.sql.DriverManager;
4 import java.sql.Statement;
5 public class demonew2 {
6     public static void main(String args[]){
7         try {
8             Class.forName("oracle.jdbc.driver.OracleDriver");
9             Connection conn=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521","system","harika");
10            Statement stmt1 = conn.createStatement();
11            Statement stmt2 = conn.createStatement();
12            Statement stmt3 = conn.createStatement();
13            Statement stmt4 = conn.createStatement();
14            String sql1 = "insert into movieshortdetails values('Bommarillu','Siddharth','Genelia','Bhaskar',2006)";
15            String sql2 = "insert into movieshortdetails values('Manan','Nageswararao','Samantha','Vikram Kumar',2014)";
16            String sql3 = "insert into movieshortdetails values('Arya','AlluArjun','Anu Mehtha','Sukumar',2004)";
17            String sql4 = "insert into movieshortdetails values('Avengers','robinhook','harika','sukumar',2018)";
18            stmt1.executeUpdate(sql1);
19            stmt2.executeUpdate(sql2);
20            stmt3.executeUpdate(sql3);
21            stmt4.executeUpdate(sql4);
22            System.out.println("Records inserted successfully!");
23            conn.close();
24        }
25        catch(Exception e) {
26            System.out.println(e);
27        }
28    }
29 }

```

Package Explorer: AdapterPattern, demo11, demo19, first, firstand, harika, insem, insem1, insem1 (src), creation.java, deletion.java, insertion.java, insertion2.java, update.java, JRE System Library [JavaSE-16], Referenced Libraries, java semend project, jdbc, jfsd_skill6, mulesoft (src), demonew.java, demonew1.java, demonew2.java, demonew3.java, JRE System Library [JavaSE-16], Referenced Libraries, onee, project1, projectxml, Semend project.

Outline: mulesoft, demonew2, main(String[]): void

Console: <terminated> demonew2 [Java Application] C:\Users\hp\p2\poo\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.16.0.2.v20210721-1149\jre\bin\javaw.exe (05-Nov-2021, 10:33:08 pm - 10:33:10 pm) Records inserted successfully!

```

SQL> desc movieshortdetails;
Name                                Null?    Type
-----
MOVIE_NAME                          NOT NULL VARCHAR2(255)
MAIN_ACTOR                          VARCHAR2(255)
MAIN_ACTRESS                        VARCHAR2(255)
MOVIE_DIRECTOR                      VARCHAR2(255)
MOVIE_RELEASE_DATE                  NUMBER(38)

SQL> select * from movieshortdetails;

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Bommarillu
Siddharth
Genelia

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Bhaskar
2006

MOVIE_NAME
-----
MAIN_ACTOR
-----

```

3.Displaying the Details that are stored in the Oracle Database:

CODE(demonew3.java):

In this particular code, Here we are just displaying the inserted movie details (Movie details stored in the table) in the console.

```

package mulesoft;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class demonew3 {
public static void main(String args[]) {
    try
    {
        Class.forName("oracle.jdbc.driver.OracleDriver");
        Connection
con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521","system","harika")
;
        Statement stmt=con.createStatement();
        String sql1 = "select * from movieshortdetails";
        ResultSet rs = stmt.executeQuery(sql1);
        while(rs.next()){
            System.out.print("Name: " + rs.getString("movie_name"));
            System.out.print(", Actor: " + rs.getString("Main_actor"));

```

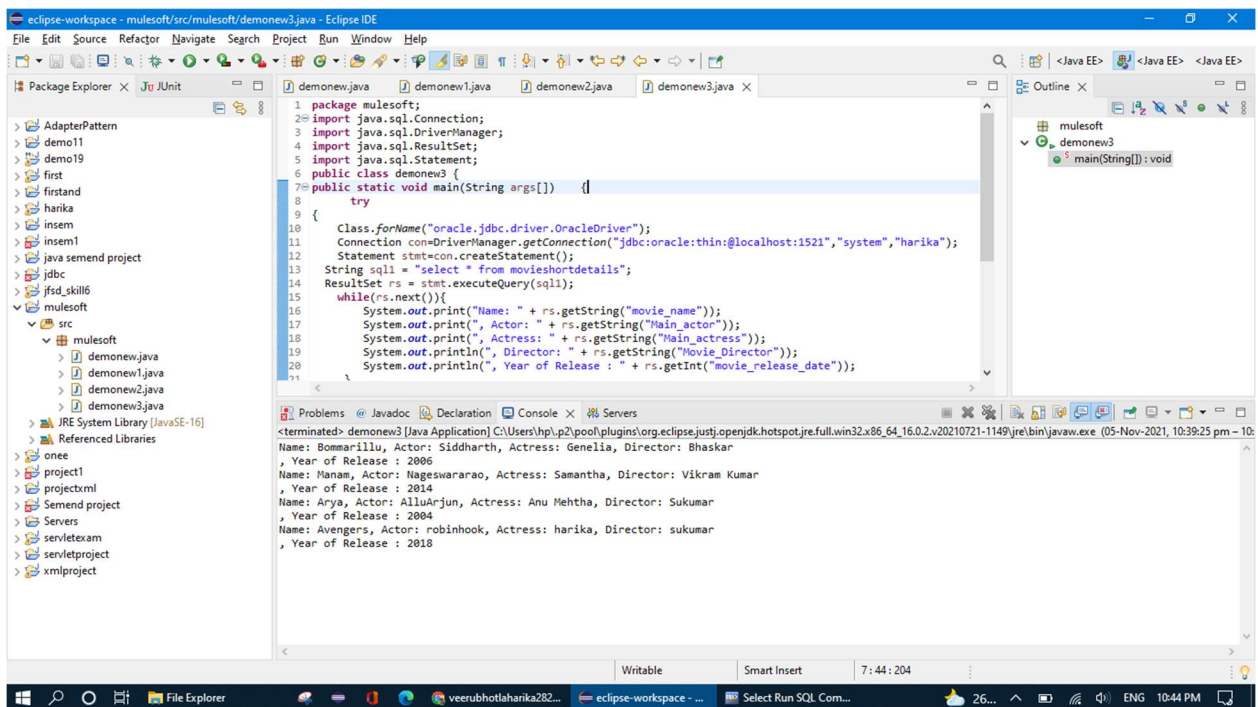
```

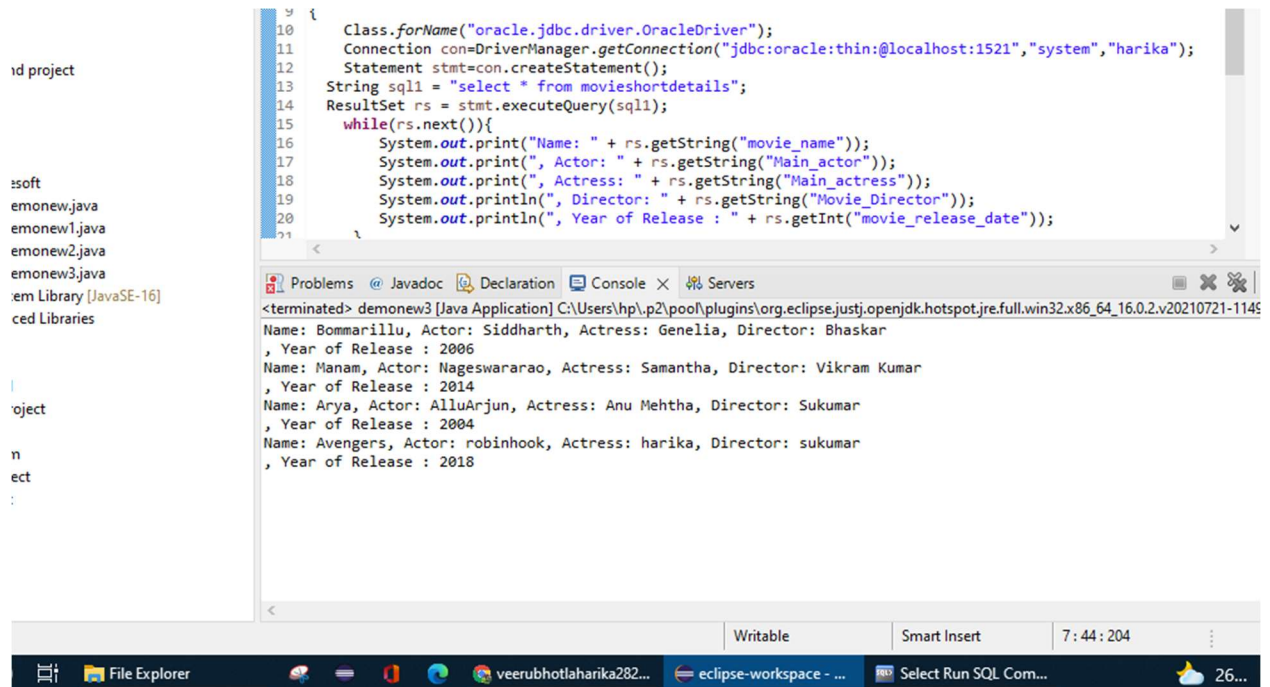
        System.out.print(", Actress: " + rs.getString("Main_actress"));
        System.out.println(", Director: " + rs.getString("Movie_Director"));
        System.out.println(", Year of Release : " + rs.getInt("movie_release_date"));
    }

    con.close();

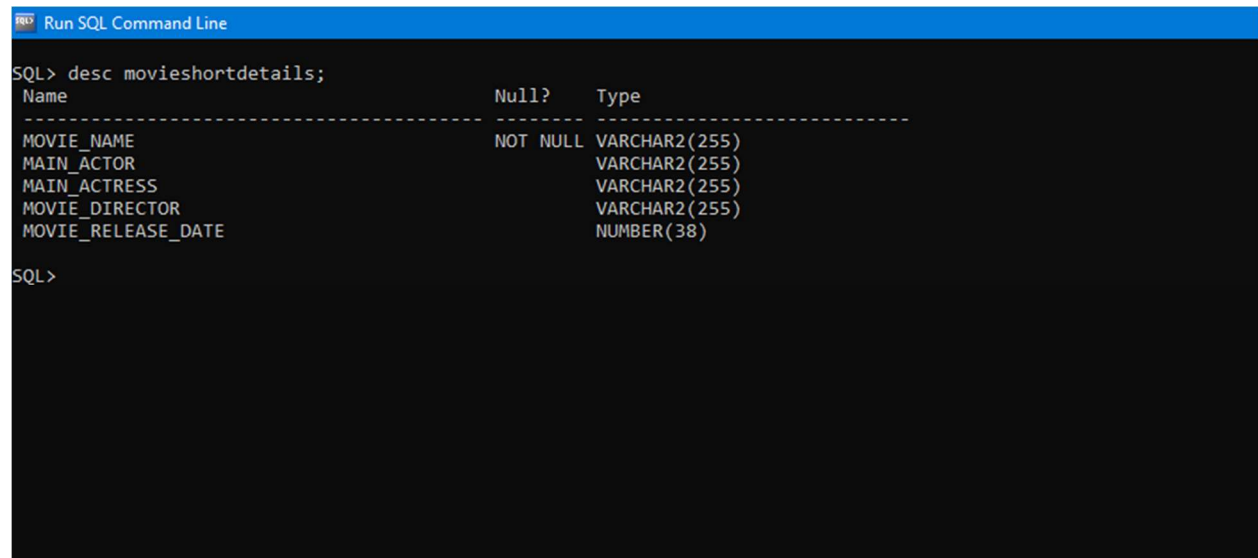
}
catch(Exception e)
{
    System.out.println(e);
}
}
}
}

```





SOME SCREENSHOTS IN THE RUN SQL COMMAND LINE:




```
Run SQL Command Line

SQL> desc movieshortdetails;
Name                                     Null?   Type
-----
MOVIE_NAME                             NOT NULL VARCHAR2(255)
MAIN_ACTOR                             VARCHAR2(255)
MAIN_ACTRESS                           VARCHAR2(255)
MOVIE_DIRECTOR                         VARCHAR2(255)
MOVIE_RELEASE_DATE                     NUMBER(38)

SQL> select * from movieshortdetails;

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Bommarillu
Siddharth
Genelia

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Bhaskar
2006

MOVIE_NAME
-----
MAIN_ACTOR
-----
```

```
Run SQL Command Line

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Manam
Nageswararao
Samantha

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Vikram Kumar
2014

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Arya
AlluAnjun
Anu Mehtha
```



```
Run SQL Command Line

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Sukumar
2004

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
Avengers
robinhook
harika

MOVIE_NAME
-----
MAIN_ACTOR
-----
MAIN_ACTRESS
-----
MOVIE_DIRECTOR
-----
MOVIE_RELEASE_DATE
-----
sukumar
2018

SQL>
```