Smart Bridge assignment-3

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Implement JDBC connection using Java

Retrieving the Data

```java
import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

public class MyClass {


    public static void main(String[] args) {

        try {

            Class.forName("com.mysql.jdbc.Driver");

            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/bookshop","root","Dhanushiya");

            Statement stmt=con.createStatement();

            ResultSet rs=stmt.executeQuery("Select * from book");

            while(rs.next())

            {

    System.out.println(rs.getString(1)+"\t"+rs.getString(2)+"\t"+rs.getString(3));

            }

        }

        catch(Exception e){

            System.out.println(e.toString());

        }
```
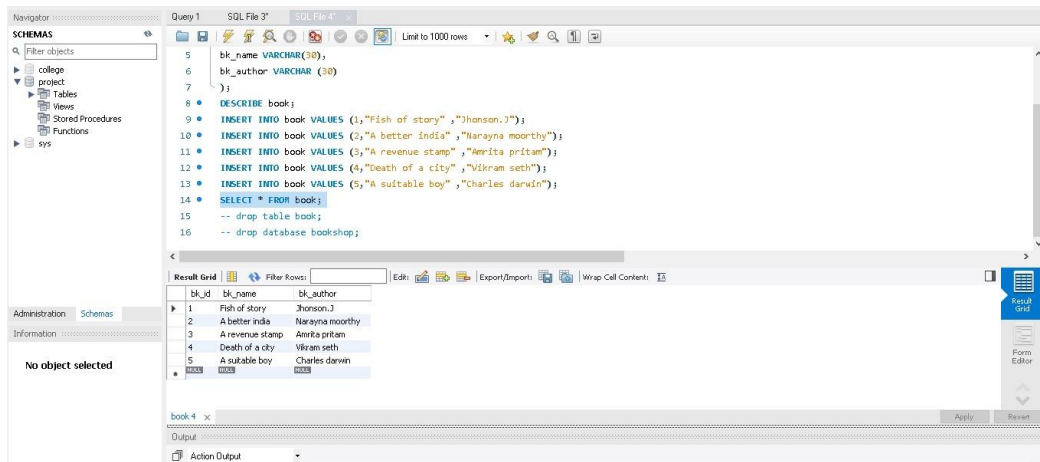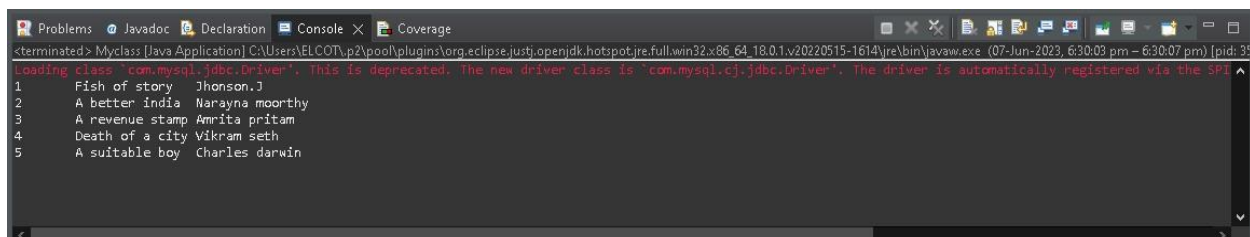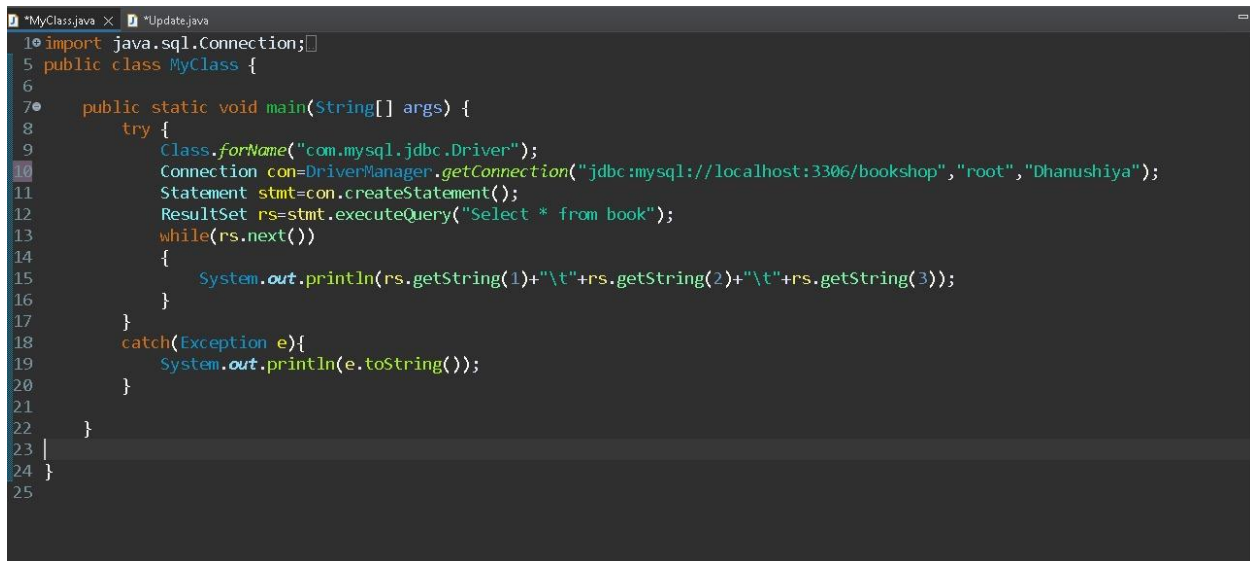
```
        }


}
```

In mysql (creating the DataBase)

In eclipse Using java


```java
import java.sql.Connection;
public class MyClass {

    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/bookshop","root","Dhanushiya");
            Statement stmt=con.createStatement();
            ResultSet rs=stmt.executeQuery("Select * from book");
            while(rs.next())
            {
                System.out.println(rs.getString(1)+"\t"+rs.getString(2)+"\t"+rs.getString(3));
            }
        }
        catch(Exception e){
            System.out.println(e.toString());
        }

    }
}
```

Updating the Data

```java
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;
public class Update {

    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/bookshop","root","Dhanushiya");
            Statement stmt=con.createStatement();
            int rs=stmt.executeUpdate("insert into book(bk_id,bk_name,bk_author) values(6,\"Atomic Habits\",\"James Clear\")");

            if(rs>0)
            {
                System.out.println("Successfully Updated");
            }
            ResultSet r=stmt.executeQuery("Select * from book");
            System.out.println();
            System.out.println();
            while(r.next())
            {
System.out.println(r.getString(1)+"\t"+r.getString(2)+"\t"+r.getString(3));
            }
```

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


        }


}
```

In mysql

In eclipse using Java

```java
import java.sql.Connection;
public class Update {

    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection("jdbc:mysql://localhost:3306/bookshop","root","Dhanushiya");
            Statement stmt=con.createStatement();
            int rs=stmt.executeUpdate("insert into book(bk_id,bk_name,bk_author) values(6,\"Atomic Habits\",\"James Clear\")");

            if(rs>0)
            {
                System.out.println("Successfully Updated");
            }
            ResultSet r=stmt.executeQuery("Select * from book");
            System.out.println();
            System.out.println();
            while(r.next())
            {
                System.out.println(r.getString(1)+"\t"+r.getString(2)+"\t"+r.getString(3));
            }
        }
        catch(Exception e){
            System.out.println(e.toString());
        }

    }
}
```

```
Problems  @ Javadoc  Declaration  Console X  Coverage
<terminated> Update [Java Application] C:\Users\ELCOT\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_18.0.1.v20220515-1614\jre\bin\javaw.exe  (07-Jun-2023, 6:35:48 pm – 6:35:51 pm) [pid: 83-
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered via the SPI
Successfully Updated


1       Fish of story    Jhonson.J
2       A better india   Narayna moorthy
3       A revenue stamp  Amrita pritam
4       Death of a city  Vikram seth
5       A suitable boy   Charles darwin
6       Atomic Habits    James Clear
```

Drive Link

https://docs.google.com/document/d/1P6M17HAdEIAF7JPjQWMXkmuUo8gure35/edit?usp=sharing&ouid=11083119288778O273977&rtpof=true&sd=true