

Eclipse:

- After opening creating the java project named: SQLiteDemoProject
- Next, Create a package called: net.codejava
- From the above created package then create a class named: SQLiteDemoProject

Code:

```
package net.codejava;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
public class SQLiteDemoProject
{
    public static void main(String[] args)
    {
        String
jdbcUrl="jdbc:sqlite:/C:\\sqlite\\moviesdb.db";
        try
        {
            Connection connection =
DriverManager.getConnection(jdbcUrl);
            String sql="SELECT * FROM movies";
            Statement
statement=connection.createStatement();
            ResultSet
result=statement.executeQuery(sql);
            while(result.next())
            {
                int id=result.getInt("ID");
                String
name=result.getString("MOVIE_NAME");
                String
actor=result.getString("ACTOR");
                String
actress=result.getString("ACTRESS");
```

```

        int year=result.getInt("YEAR");
        String
director=result.getString("DIRECTOR_NAME");

        System.out.print(id+"|"+name+"|"+actor+"|"+actr
ess+"|"+year+"|"+director);
        System.out.println();
        if(year==2022)
        {
            System.out.println("Latest
Movie:"+name);
        }
        if(actor="NTR")
        {
            System.out.println("NTR recent
blockbluster")
        }
    }
}
catch (SQLException e)
{
    System.out.println("Error connecting to
SQLite database");
    e.printStackTrace();
}
}
}

```

- **For the above we run the code we will get output as :**

Error connecting to SQLite database

Installing JDBC Driver:

- <https://github.com/xerial/sqlite-jdbc/releases>
- After installation connect jdbc driver to sqlite

Connecting JDBC DRIVER to SQLite:

- After installation of JDBC driver.
- Connect it to the SQLite.
- Right click on the created java project(SQLiteDemoProject).
- Select **properties**.
- In the **Resources** go to **Locations**.
- Open the created project SQLiteDemoProject.
- Paste the downloaded JDBC jar file.
- Next, in the **Properties** move to **Build Path**.
- Click on **add jar file**, then select the **jdbc jar executable file**.
- Click on **apply**.

Final Output:

1|Shyam Singha Roy|Nani|Sai Pallavi|2021|Rahul
2|Pushpa|Allu Arjun|Rashmika Mandanna|2021|Sukumar
3|RRR|NTR|Alia Bhatt|2022|S.S.Rajamouli
Latest Movie:RRR
4|Major|Adivi Sesh|Saiee Manjrekar|2022|Sashi Kiran
Tikka
Latest Movie:Major

The screenshot shows the Eclipse IDE with a Java project named 'SQLiteDemoProject'. The main editor displays a file named 'DriverManager.class' with the following code:

```
14
15 Connection connection = DriverManager.getConnection(jdbcURL);
16 String sql="SELECT * FROM movies";
17 Statement statement=connection.createStatement();
18
19 ResultSet result=statement.executeQuery(sql);
20 while(result.next())
21 {
22     int id=result.getInt("ID");
23     String name=result.getString("MOVIE_NAME");
24     String actor=result.getString("ACTOR");
25     String actress=result.getString("ACTRESS");
26     int year=result.getInt("YEAR");
27     String director=result.getString("DIRECTOR_NAME");
28     System.out.print(id+"|"+name+"|"+actor+"|"+actress+"|"+year+"|"+director);
29     System.out.println();
30 }
31 }
32 catch (SQLException e)
```

The console output shows the following data:

```
<terminated> SQLiteDemoProject (Java Application) C:\Users\BANDARU THANMAJI\p2\pool\plugins\org.eclipse.justi.openjdk hotspot.jre.full.win32.x86_64_17.0.0.v20211012-1059\jre\bin\javaw.exe (02-Jul-2022, 9:12:27 pm - 9:12:28 pm)
1|Shyam Singha Roy|Nani|Sai Pallavi|2021|Rahul
2|Pushpa|Allu Arjun|Rashmika Mandanna|2021|Sukumar
3|RRR|NTR|Alia Bhatt|2022|S.S.Rajamouli
4|Major|Adivi Sesh|Saiee Manjrekar|2022|Sashi Kiran Tikka
```

The screenshot shows the Eclipse IDE with the same Java project. The main editor displays a file named 'DriverManager.class' with the following code:

```
1 package net.codejava;
2 import java.sql.Connection;
3 import java.sql.DriverManager;
4 import java.sql.ResultSet;
5 import java.sql.SQLException;
6 import java.sql.Statement;
7 public class SQLiteDemoProject
8 {
9     // ... (code from previous screenshot) ...
10 }
```

The console output shows the following data:

```
<terminated> SQLiteDemoProject (Java Application) C:\Users\BANDARU THANMAJI\p2\pool\plugins\org.eclipse.justi.openjdk hotspot.jre.full.win32.x86_64_17.0.0.v20211012-1059\jre\bin\javaw.exe (02-Jul-2022, 9:25:08 pm - 9:25:09 pm)
1|Shyam Singha Roy|Nani|Sai Pallavi|2021|Rahul
2|Pushpa|Allu Arjun|Rashmika Mandanna|2021|Sukumar
3|RRR|NTR|Alia Bhatt|2022|S.S.Rajamouli
Latest Movie:RRR
4|Major|Adivi Sesh|Saiee Manjrekar|2022|Sashi Kiran Tikka
Latest Movie:Major
```