





### Activitat 2.1 - Connectors

Crea una base de dades amb la consola de MySQL anomenada DISCOGRAFICA. Té una taula anomenada ALBUMS que té tres camps: ID (clau primària tipus numèric), TITOL (varchar(30)), ANYPUBLICACIO (varchar(4)) i AUTOR (varchar(30)).

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
 id	INT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
 TITOL	VARCHAR(30)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
 ANYPUBLICACIO	VARCHAR(4)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL
 AUTOR	VARCHAR(30)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Insereix 5 albums.

```
INSERT INTO albums (titol,anypublicacio,autor) VALUES ("Black Phone", "2021", "Scott Derrickson");
INSERT INTO albums (titol,anypublicacio,autor) VALUES ("The Godfather", "1972", "Francis Ford Coppola");
INSERT INTO albums (titol,anypublicacio,autor) VALUES ("The Shawshank Redemption", "1994", "Frank Darabont");
INSERT INTO albums (titol,anypublicacio,autor) VALUES ("As bestas", "2022", "Rodrigo Sorogoyen");
```

id	TITOL	ANYPUBLICACIO	AUTOR
1	Black Phone	2021	Scott Derrickson
3	The Shawshank Redemption	1994	Frank Darabont
4	As bestas	2022	Rodrigo Sorogoyen
5	The Godfather	1972	Francis Ford Coppola
NULL	NULL	NULL	NULL

Fes una programa amb java que retorni el contingut de la taula ALBUMS.

```
1 import java.sql.*;
2
3 public class main {
4
5     public static void main(String[] args) {
6
7         try {
8             Class.forName("com.mysql.cj.jdbc.Driver");
9             Connection conexion = DriverManager.getConnection("jdbc:mysql://localhost/discografica?useSSL=false", "root", "123");
10            Statement sentencia = conexion.createStatement();
11            ResultSet resul = sentencia.executeQuery("SELECT * FROM albums;");
12
13            while (resul.next()) {
14                System.out.println(resul.getInt(1) + " " + resul.getString(2) + " " + resul.getString(3) + " "
15                    + resul.getString(4));
16            }
17
18            resul.close();
19            sentencia.close();
20            conexion.close();
21
22        } catch (ClassNotFoundException cn) {
23            cn.printStackTrace();
24        } catch (SQLException e) {
25            e.printStackTrace();
26        }
27
28    }
29
30 }
```

Console X

```
<terminated> Main [Java Application] C:\eclipse\plugins\org.eclipse.jdt.launcher\org.eclipse.jdt.launcher.exe (24 nov 2022 16:02:56 - 16:02:56) [pid: 17396]
1 Black Phone 2021 Scott Derrickson
3 The Shawshank Redemption 1994 Frank Darabont
4 As bestas 2022 Rodrigo Sorogoyen
5 The Godfather 1972 Francis Ford Coppola
```