

MYSQL JDBC EXAMPLE

1. Install Eclipse on your system, link for installation is given below
<https://linuxize.com/post/how-to-install-the-latest-eclipse-ide-on-ubuntu-18-04/>
2. Visit <https://dev.mysql.com/downloads/connector/j/> to download mysql .jar file

MySQL Community Downloads


Connector/J

General Availability (GA) Releases Archives ⓘ

Connector/J 8.0.26

Select Operating System:
Platform Independent ▼

Platform Independent (Architecture Independent), Compressed TAR Archive (mysql-connector-java-8.0.26.tar.gz)	8.0.26	4.0M	Download
MD5: 29df9c3a386684c27b9585d178fd1a46 Signature			
Platform Independent (Architecture Independent), ZIP Archive (mysql-connector-java-8.0.26.zip)	8.0.26	4.7M	Download
MD5: 37377584bf16245d6401faedace08067 Signature			

 We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

3. Open Eclipse and click File -> New-> Java project. Give the proper project name and click on Finish.

New Java Project

Create a Java Project
Create a Java project in the workspace or in an external location.

Project name:

☒ Use default location
Location:

JRE

☒ Use an execution environment JRE:

☐ Use a project specific JRE:

☐ Use default JRE 'java-11-openjdk-amd64' and workspace compiler preferences [Configure JREs...](#)

Project layout


☐ Use project folder as root for sources and class files

☒ Create separate folders for sources and class files [Configure default...](#)

Working sets

☐ Add project to working sets

Working sets:

 The default compiler compliance level for the current workspace is 10. The new project will use a project specific compiler compliance level of 1.4.

4. Create class file in class file by right click on src file new>class Enter the name if the class and check mark public static void option

New Java Class

Java Class
Create a new Java class.

Source folder: jdbc_demo/src Browse...

Package: jdbc_demo Browse...

☐ Enclosing type: Browse...

Name: Driver

Modifiers: ☒ public ☐ package ☐ private ☐ protected
☐ abstract ☐ final ☐ static

Superclass: java.lang.Object Browse...

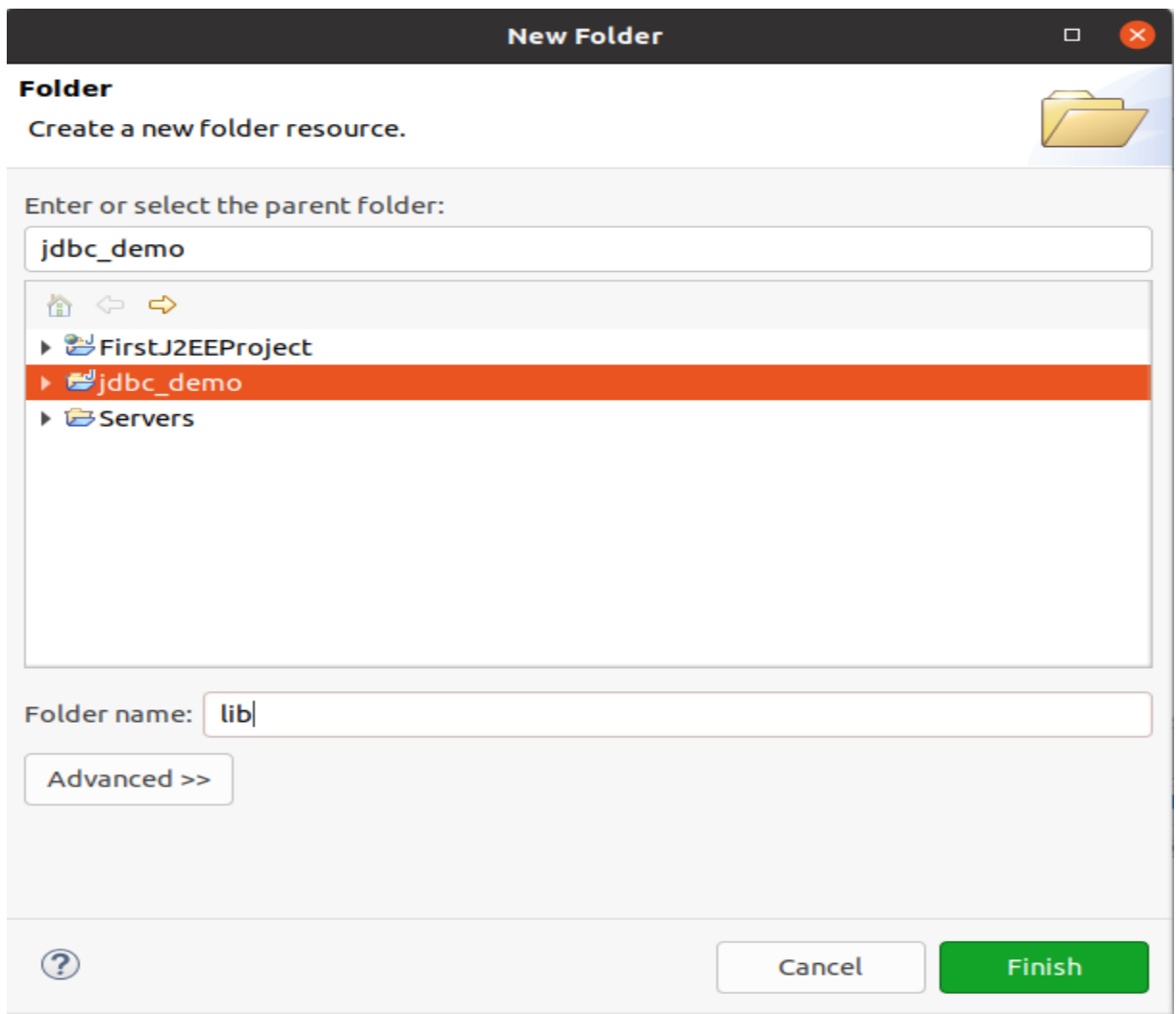
Interfaces: Add...

Which method stubs would you like to create?
☒ public static void main(String[] args)
☐ Constructors from superclass
☒ Inherited abstract methods

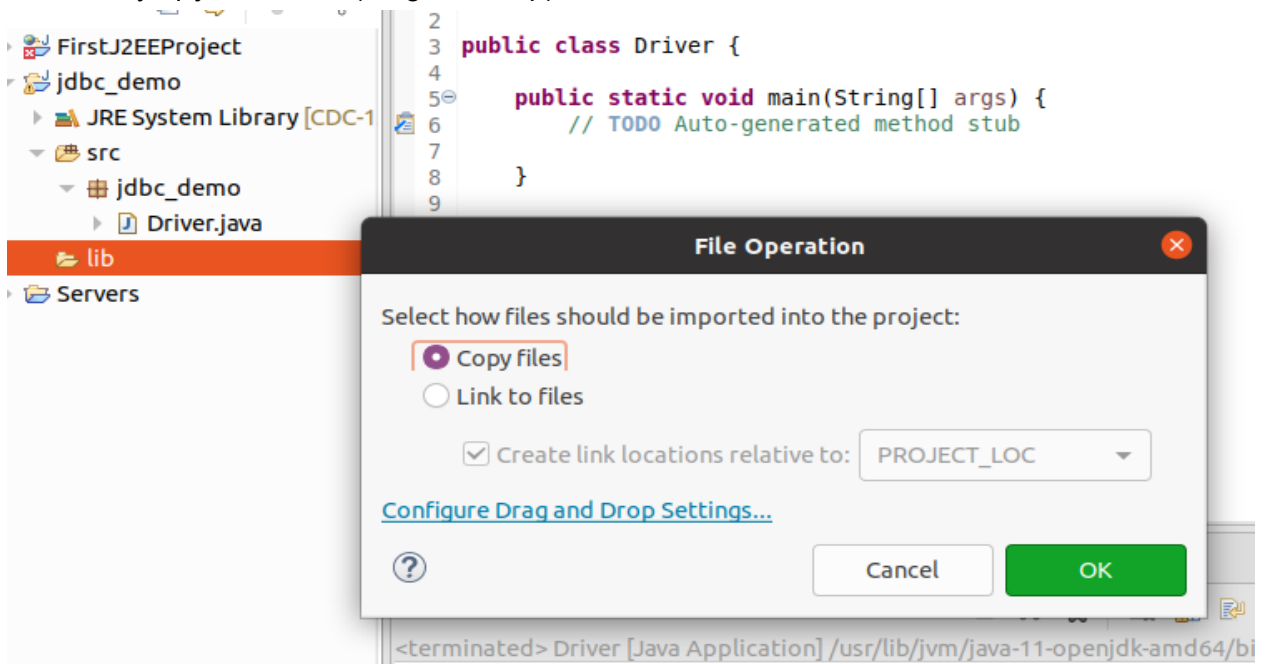
Do you want to add comments? (Configure templates and default value [here](#))
☐ Generate comments

? Cancel Finish

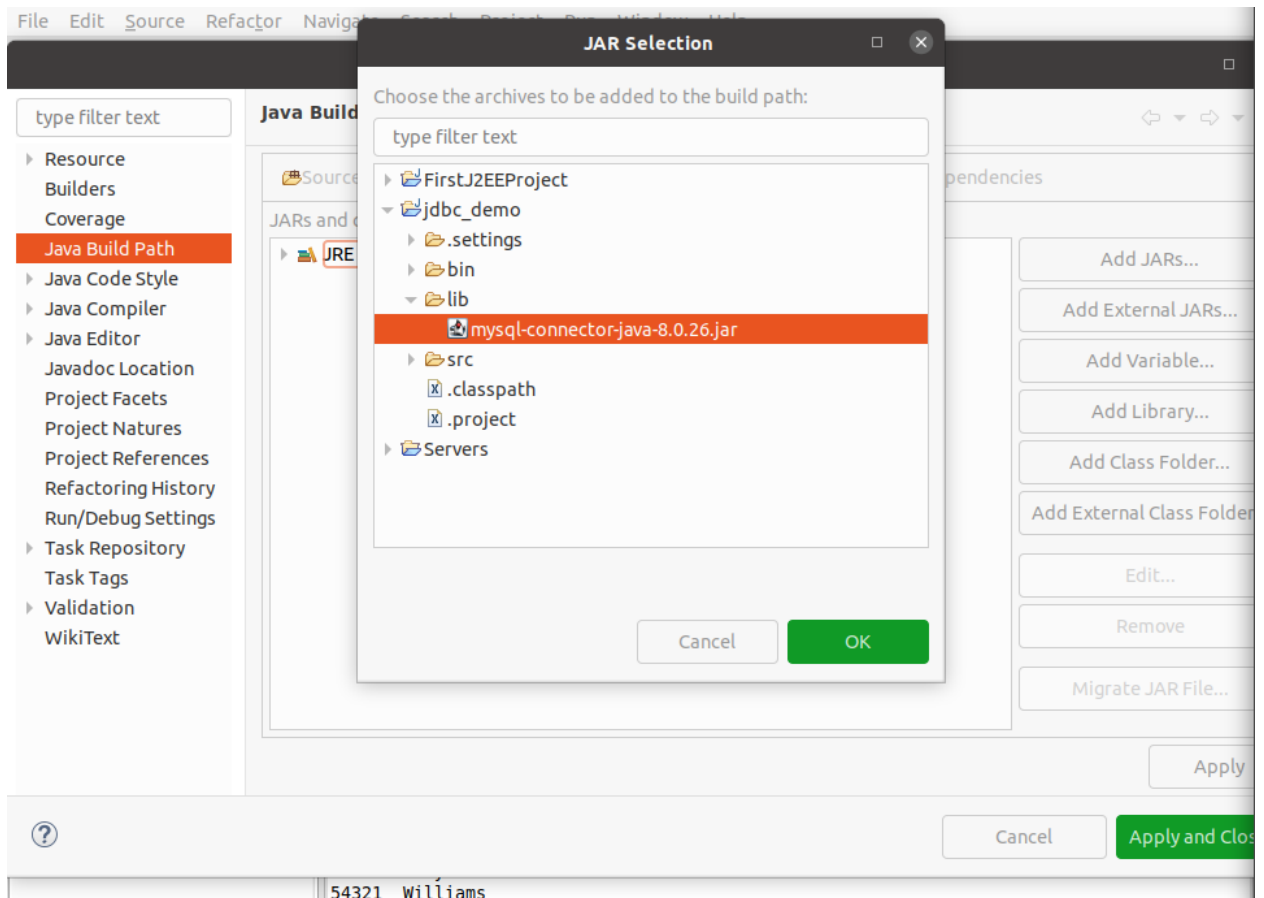
5. Create a folder lib under your project directory right click on jdbc_demo>New>folder, name it as lib



6. Add the mysql.jar file to lib (drag and drop)



7. Right click on your project in the Project Explorer, then **Build Path>Configure Build Path** then click on **Add JARs**(from the dialogue box) and select **.jar** file from **lib** and click on **Apply and close**



8. Paste the below code in **Driver.java** [Same file is uploaded with this document]

```
package jdbcdemo;
import java.sql.*;
public class Driver {

    public static void main(String[] args) {
        try {
            //Get connection
            Connection myConn =
            DriverManager.getConnection("jdbc:mysql://localhost:3306/university", "
            root", "123456");
            Statement myS=myConn.createStatement();
            //Query
            ResultSet resultSet = myS.executeQuery("SELECT * FROM
            student");
            //Display
            while(resultSet.next()) {
```

```

        System.out.println(resultSet.getString("ID")+"
"+resultSet.getString("name"));
    }
} catch (Exception e) {
    e.printStackTrace();
}
}
}

```

```

/*void listDepartments(Statement stmt)
{
    // Write the code for Q2
}

```

```

void listDepartments(PreparedStatement stmt)
{
    // Write the code for Q3
}*/
}

```

Here Database is set to **university**, username is set to **root** and password is **123456**
 [Use your created database and username and password]

