

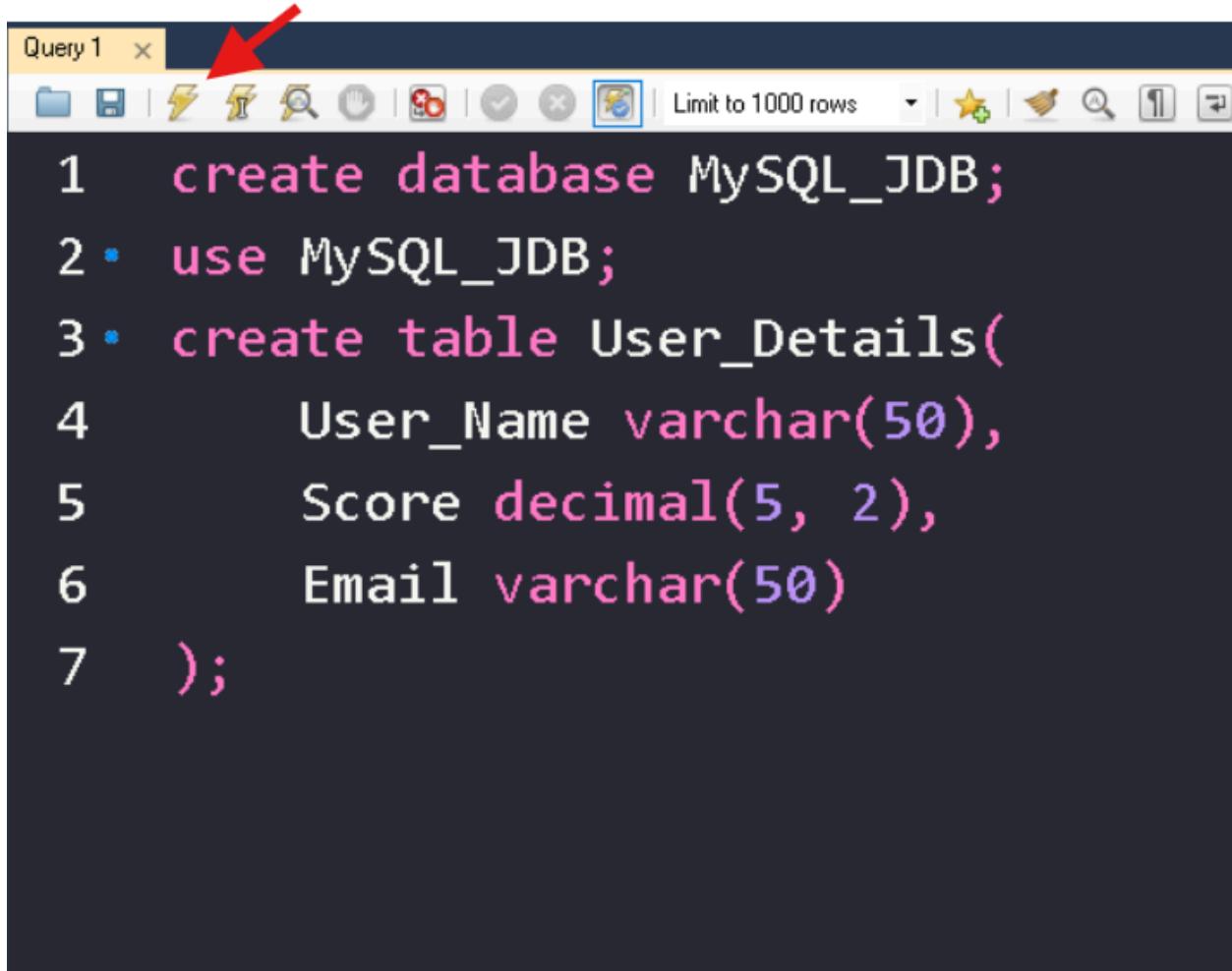
1. Create a Maven project in Eclipse IDE
2. Make pom.xml:

```
<project xmlns="http://maven.apache.org/POM/4.0.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
  http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>mvnProject</groupId>
  <artifactId>mvnProject</artifactId>
  <version>0.0.1-SNAPSHOT</version>
  <dependencies>
    <!--
https://mvnrepository.com/artifact/com.mysql/mysql-connector-j -->
    <dependency>
      <groupId>com.mysql</groupId>
      <artifactId>mysql-connector-j</artifactId>
      <version>9.5.0</version>
    </dependency>
  </dependencies>
</project>
```

Open the MySQL workbench:

Write the below code, then click the arrows as shown:

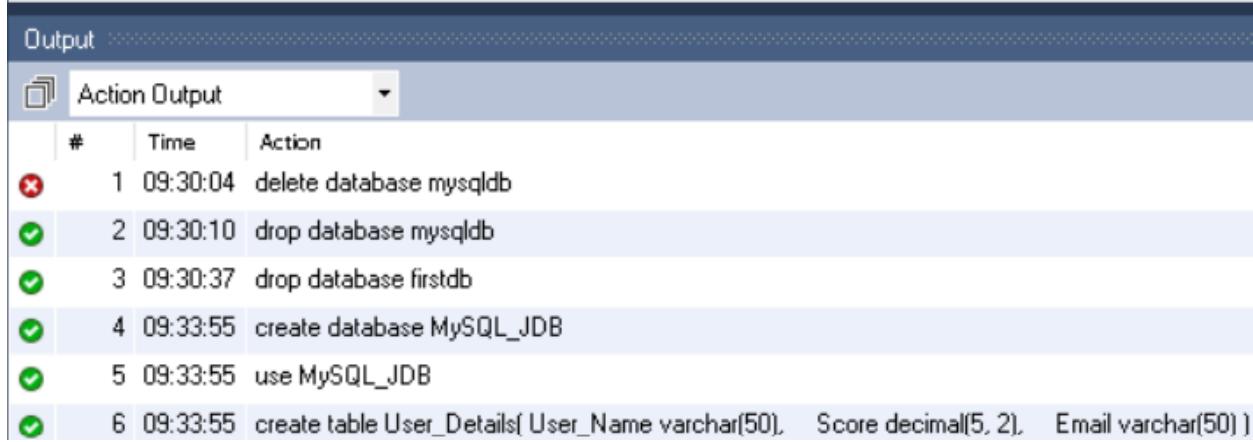
```
1 -- Creates Database
2 • create database MySQL_JDB;
3 -- Select the database
4 • use MySQL_JDB;
5 -- create table when database is Selected
6 • create table User_Details(
7     User_Name varchar(50),
8     Score decimal(5, 2),
9     Email varchar(50)
10 );
```



A screenshot of the MySQL Workbench interface. The top window is titled "Query 1" and contains the following SQL code:

```
1 create database MySQL_JDB;
2 use MySQL_JDB;
3 create table User_Details(
4     User_Name varchar(50),
5     Score decimal(5, 2),
6     Email varchar(50)
7 );
```

The second line of the code, "use MySQL_JDB;", has a red arrow pointing to it from the left side of the image.



The bottom window is titled "Output" and shows a history of database actions:

Action	#	Time
delete database mysqldb	1	09:30:04
drop database mysqldb	2	09:30:10
drop database firstdb	3	09:30:37
create database MySQL_JDB	4	09:33:55
use MySQL_JDB	5	09:33:55
create table User_Details(User_Name varchar(50), Score decimal(5, 2), Email varchar(50))	6	09:33:55

Refresh by clicking as below:

Navigator SCHEMAS sys

Query 1 Limit to 1000 rows

1 create database MySQL_JDB;
2 • use MySQL_JDB;
3 • create table User_Details(
4 User_Name varchar(50),

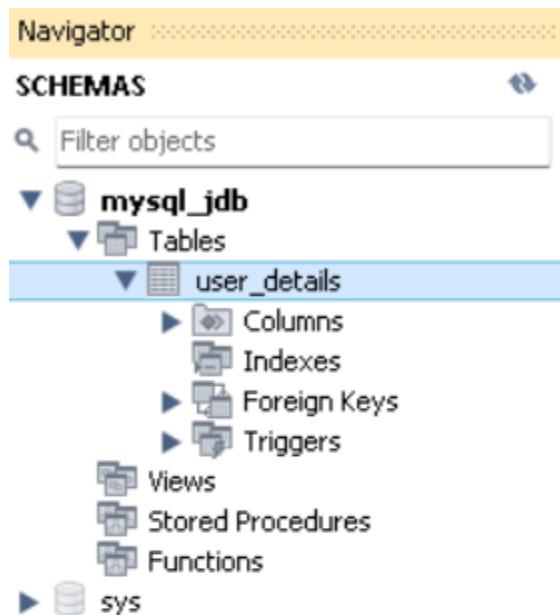
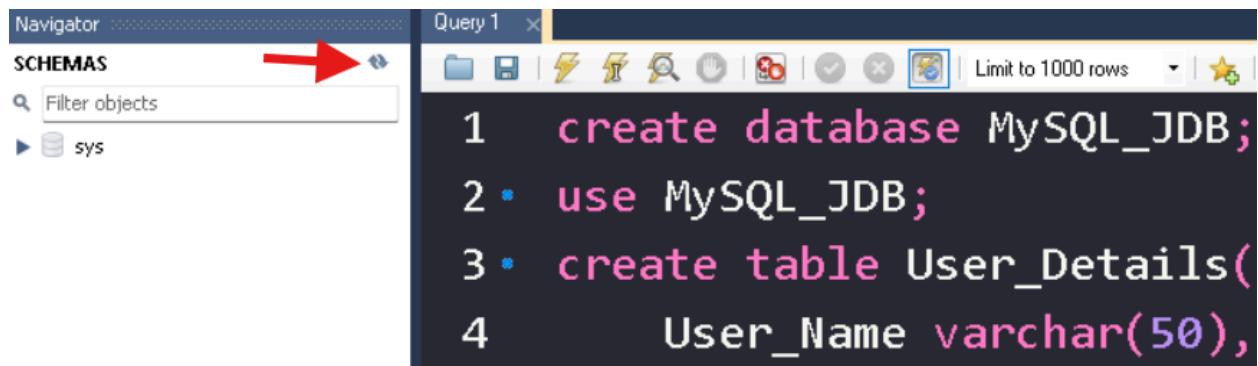


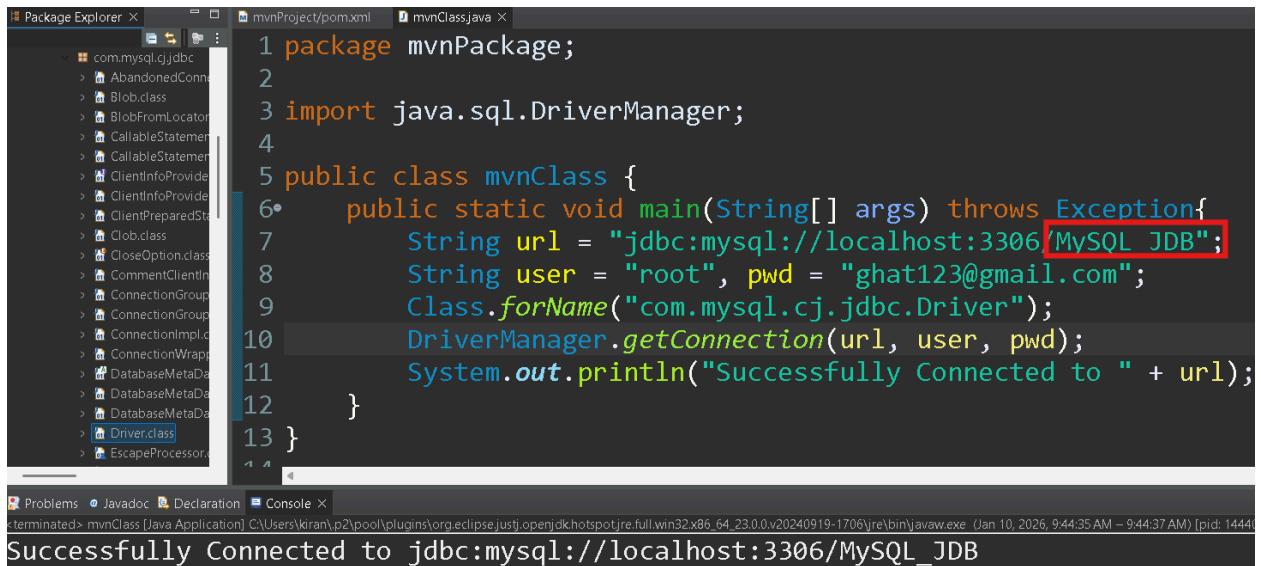
Table: user_details

Columns:

User_Name	varchar(50)
Score	decimal(5,2)
Email	varchar(50)

Then clear the code. No need to create database and table once again.

Make sure name of the database must be same



```
1 package mvnPackage;
2
3 import java.sql.DriverManager;
4
5 public class mvnClass {
6     public static void main(String[] args) throws Exception{
7         String url = "jdbc:mysql://localhost:3306/MySQL_JDB";
8         String user = "root", pwd = "ghat123@gmail.com";
9         Class.forName("com.mysql.cj.jdbc.Driver");
10        DriverManager.getConnection(url, user, pwd);
11        System.out.println("Successfully Connected to " + url);
12    }
13 }
```

Problems Javadoc Declaration Console

terminated: mvnClass [Java Application] C:\Users\Kiran\p2\pool\plugins\org.eclipse.jdt.core\full\win32\x86_64_23.0.0.v20240919-1700\jre\bin\javaw.exe (Jan 10, 2026, 9:44:35 AM - 9:44:37 AM) [pid: 1444]

Successfully Connected to jdbc:mysql://localhost:3306/MySQL_JDB

After creating database and table in workbench(manually done by user) along with driver connection, lets insert values from Java Class

Different ways to creat statement:

```
// PreparedStatement ps = ctn.prepareStatement("insert into
User_Details values('FirstUserName', 2.32,
'FUN123@gmail.com')");
        // Alternative of Above
        // PreparedStatement ps =
ctn.prepareStatement("insert into User_Details values('" +
username + "', " + score + ", '" + email + "')");
        // Alternative of Above
        PreparedStatement ps = ctn.prepareStatement("insert
into User_Details values(?, ?, ?)");
        ps.setString(1, username);
        ps.setFloat(2, score);
        ps.setString(3, email);
```

Final code to insert users in userdetails table.

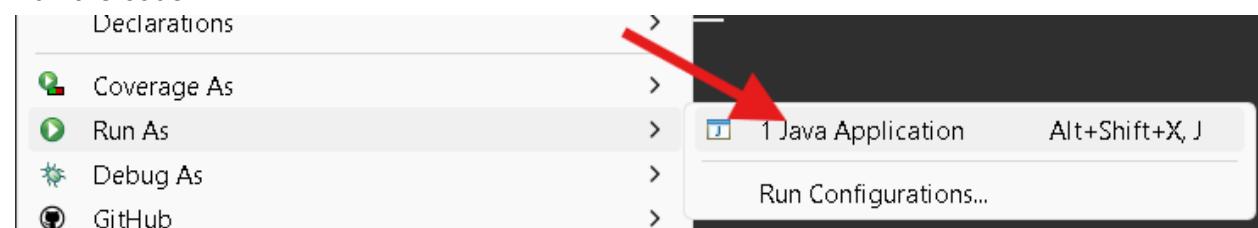
```
package mvnPackage;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
public class _01_insertUser {
    public static void main(String[] args) throws Exception{
```

```

String url = "jdbc:mysql://localhost:3306/MySQL_JDB";
String user = "root", pwd = "ghat123@gmail.com";
Class.forName("com.mysql.cj.jdbc.Driver");
Connection ctn = DriverManager.getConnection(url, user,
pwd);
String username = "FirstUserName", email =
"FUN123@gmail.com";
float score = 23.45f;
// PreparedStatement ps = ctn.prepareStatement("insert into
User_Details values('FirstUserName', 2.32, 'FUN123@gmail.com')");
// Alternative of Above
// PreparedStatement ps = ctn.prepareStatement("insert into
User_Details values('" + username + "', " + score + ", '" + email +
"')");
// Alternative of Above
PreparedStatement ps = ctn.prepareStatement("insert into
User_Details values(?, ?, ?)");
// For first ? = username, next is score, then email, this
is decided when table is created in MySQL DB
ps.setString(1, username);
ps.setFloat(2, score);
ps.setString(3, email);
// Return 0 for fail, number > 0 for pass
int is_ps = ps.executeUpdate();
if (is_ps > 0) {
    System.out.println("Successfully Added: " + username);
} else System.out.println("Failed to Added: " + username);
ctn.close();
}
}

```

Run the code:



```
1 package mvnPackage;
2
3 import java.sql.Connection;
4 import java.sql.DriverManager
5 import java.sql.PreparedStatement
6
7 public class _01_insertUser {
8     public static void main(S
9         String url = "jdbc:my
10        String user = "root",
11        Class.forName("com.my
12        Connection ctn = Driv
13        String username = "Fi
14        Cleset score: 22.45%]
```

Problems Javadoc Declaration Console X
terminated > _01_insertUser [Java Application] C:\Users\kiran\p2\pool\plugins\org.eclipse.jdt.core\openjdk.hotspot.jre.full.win32.x8

Successfully Added: FirstName

Write the code in MySQL:

```
Query 1 x
Limit to 1000 rows
1 • select * from user_details;
```

Click:

```
Query 1 x
Limit to 1000 rows
1 • select * from user_details;
```

```
1 * select * from
2
3
4 -- Creates Dat
5 # create datab
6 -- Select the
```

Result Grid | Filter Rows:

	User_Name	Score	Email
▶	FirstUserName	23.45	FUN123@gmail.com