

## 1. Install

Your environment has been set up for using Node.js 16.13.2 (x64) and npm.









C:\Users\Ravit>gradle -v

-----  
Gradle 7.4  
-----

Build time: 2022-02-08 09:58:38 UTC  
Revision: f0d9291c04b90b59445041eaa75b2ee744162586  
  
Kotlin: 1.5.31  
Groovy: 3.0.9  
Ant: Apache Ant(TM) version 1.10.11 compiled on July 10 2021  
JVM: 16.0.2 (Oracle Corporation 16.0.2+7-67)  
OS: Windows 10 10.0 amd64

C:\Users\Ravit>

## 2. Create Project

Name	Date modified	Type	Size
 .gradle	3/7/2022 12:46 PM	File folder	
 app	3/7/2022 12:46 PM	File folder	
 gradle	3/7/2022 12:46 PM	File folder	
 .gitattributes	3/7/2022 8:40 AM	Text Document	1 KB
 .gitignore	3/7/2022 8:40 AM	Text Document	1 KB
 gradlew	3/7/2022 8:39 AM	File	8 KB
 gradlew.bat	3/7/2022 8:39 AM	Windows Batch File	3 KB
 settings.gradle	3/7/2022 8:40 AM	GRADLE File	1 KB

## 3. Connect with Mysql

```

8
9  plugins {
10      // Apply the application plugin to add support for building a CLI application in Java.
11      id 'application'
12  }
13
14  repositories {
15      // Use Maven Central for resolving dependencies.
16      mavenCentral()
17  }
18
19
20  dependencies {
21      // Use JUnit test framework.
22      testImplementation 'junit:junit:4.13.2'
23
24      // This dependency is used by the application.
25      implementation 'com.google.guava:guava:30.1.1-jre'
26
27      // https://mvnrepository.com/artifact/mysql/mysql-connector-java
28      implementation 'mysql:mysql-connector-java:8.0.28'
29  }
30
31

```

#### 4. Create Table

```
CREATE TABLE products(  
    `id` INT PRIMARY KEY AUTO_INCREMENT,  
    `name` VARCHAR(150),  
    `price` FLOAT,  
    `created_date` DATE DEFAULT CURRENT_DATE  
);
```

#### 5. Connect to project

I used this command to run (**gradlew --console plain run**).

Because If I used command **gradle run**, It work but it cannot find java.util.Scanner

##### List Product

```
Menu  
1. List All Products  
2. Add new Product  
3. Update Exitsting Product by id  
4. Delete product by name or id  
5. Search product by name  
0. Exit  
Enter choice [1-5]: 1  
Connect success  
=====  
ID: 6 | Name: new1 | Price: 15.6.  
ID: 7 | Name: coca cola | Price: 16.0.
```

##### Add new Product

```
Menu  
1. List All Products  
2. Add new Product  
3. Update Exitsting Product by id  
4. Delete product by name or id  
5. Search product by name  
0. Exit  
Enter choice [1-5]: 2  
Enter Product name: Phone  
Enter Product Price: 125  
Insert Success
```

##### Update product by id

```
Menu  
1. List All Products  
2. Add new Product  
3. Update Exitsting Product by id  
4. Delete product by name or id  
5. Search product by name  
0. Exit  
Enter choice [1-5]: 3  
Enter Product ID you want to update : 6  
Enter new Product name: Beer  
Enter new Product Price: 2.5  
Update Success
```

### Delete Product by name or id

```
Menu
  1. List All Products
  2. Add new Product
  3. Update Exitsting Product by id
  4. Delete product by name or id
  5. Search product by name
  0. Exit
Enter choice [1-5]: 4
Enter Product ID or Name you want to delete : 6
Delete Success
Press Enter key to continue
```

### Search Product name

```
Menu
  1. List All Products
  2. Add new Product
  3. Update Exitsting Product by id
  4. Delete product by name or id
  5. Search product by name
  0. Exit
Enter choice [1-5]: 5
Enter Product Name: Phone
Connect success
=====
ID: 8 | Name: Phone | Price: 125.0.
```