Spring Boot with Mysql database simple insert example with Hibernate:-

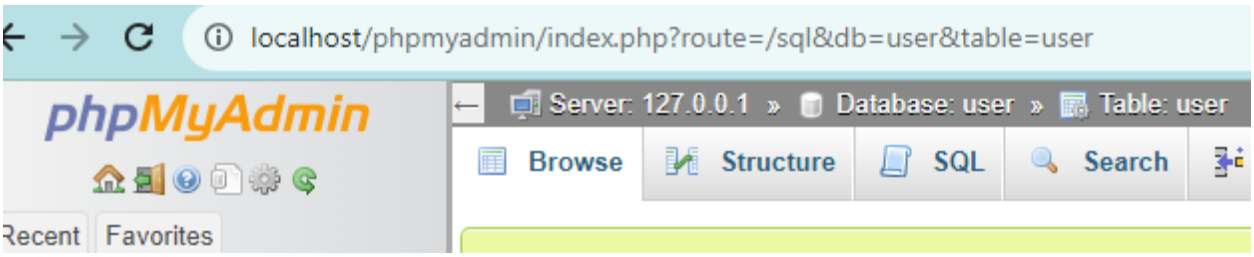
Step 1:-

Run xampp and open localhost/phpmyadmin

Create database user as shown below

For this click on SQL and type command :-

```
create database user;
```



Here

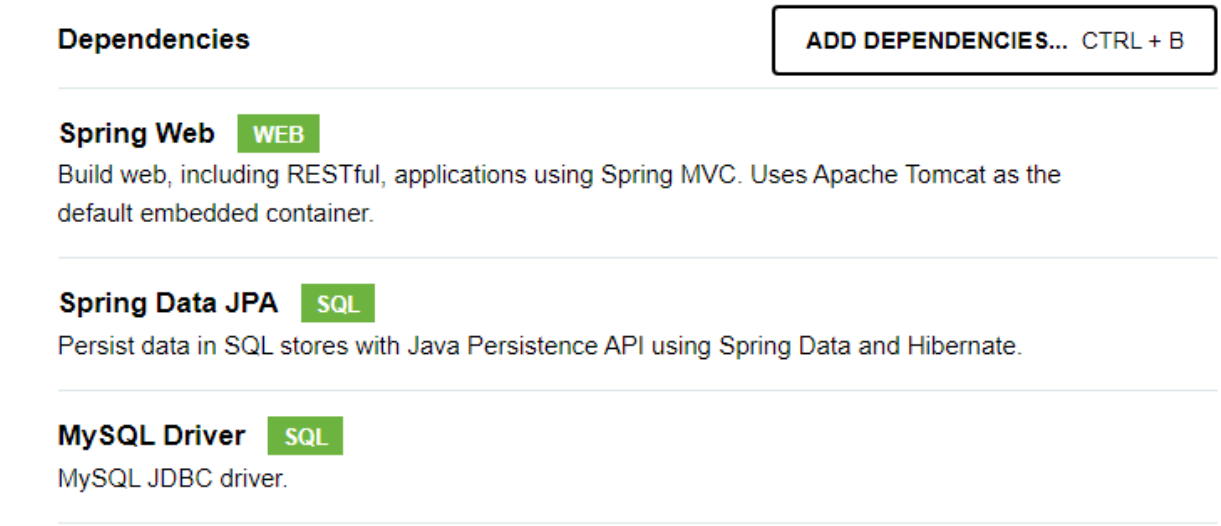
Note :- username=root

And password=

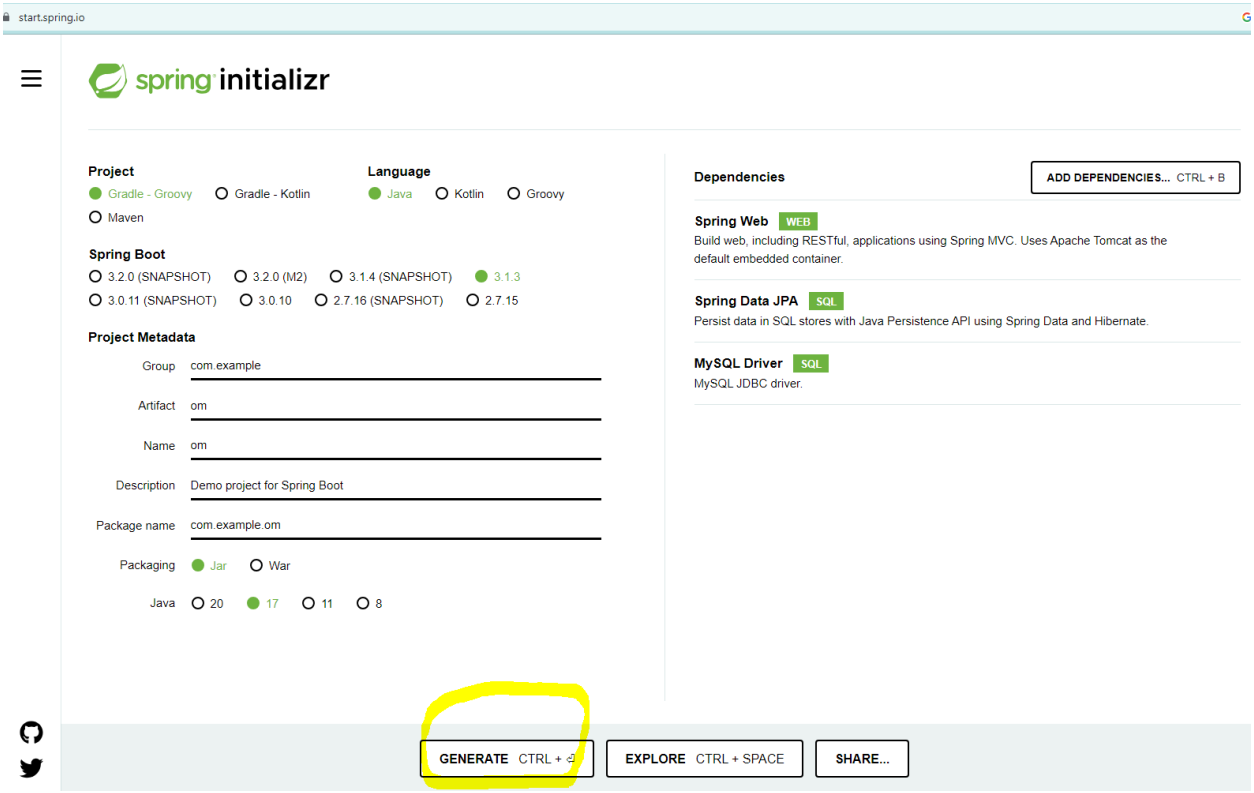
And step 2:-

https://start.spring.io/

and add following dependencies

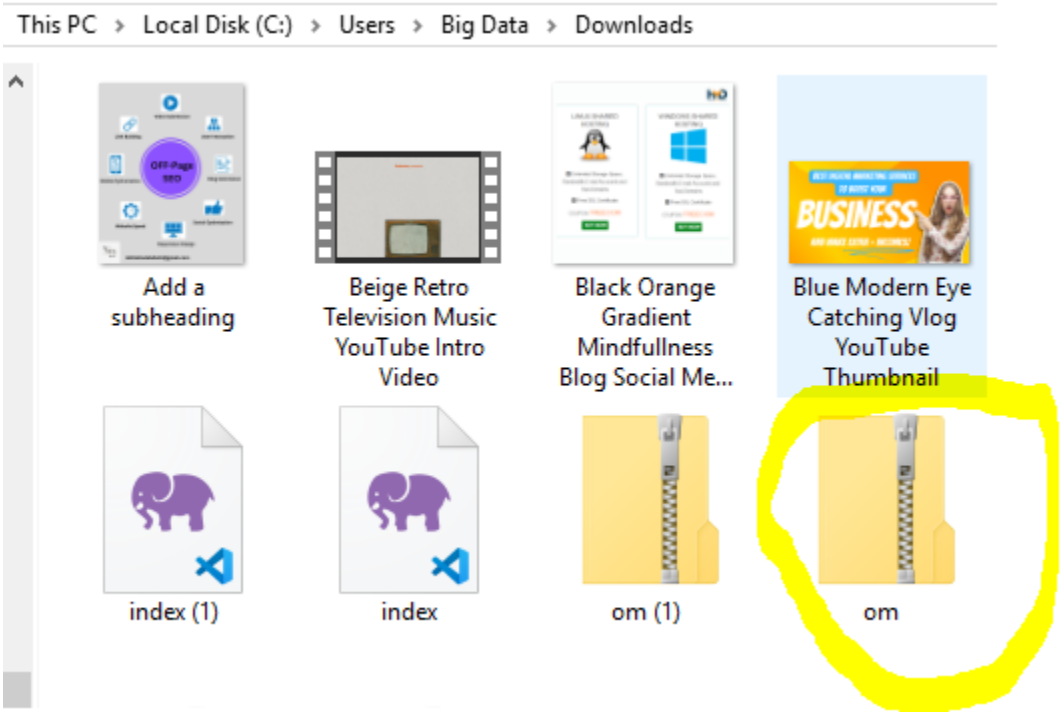


And you will see

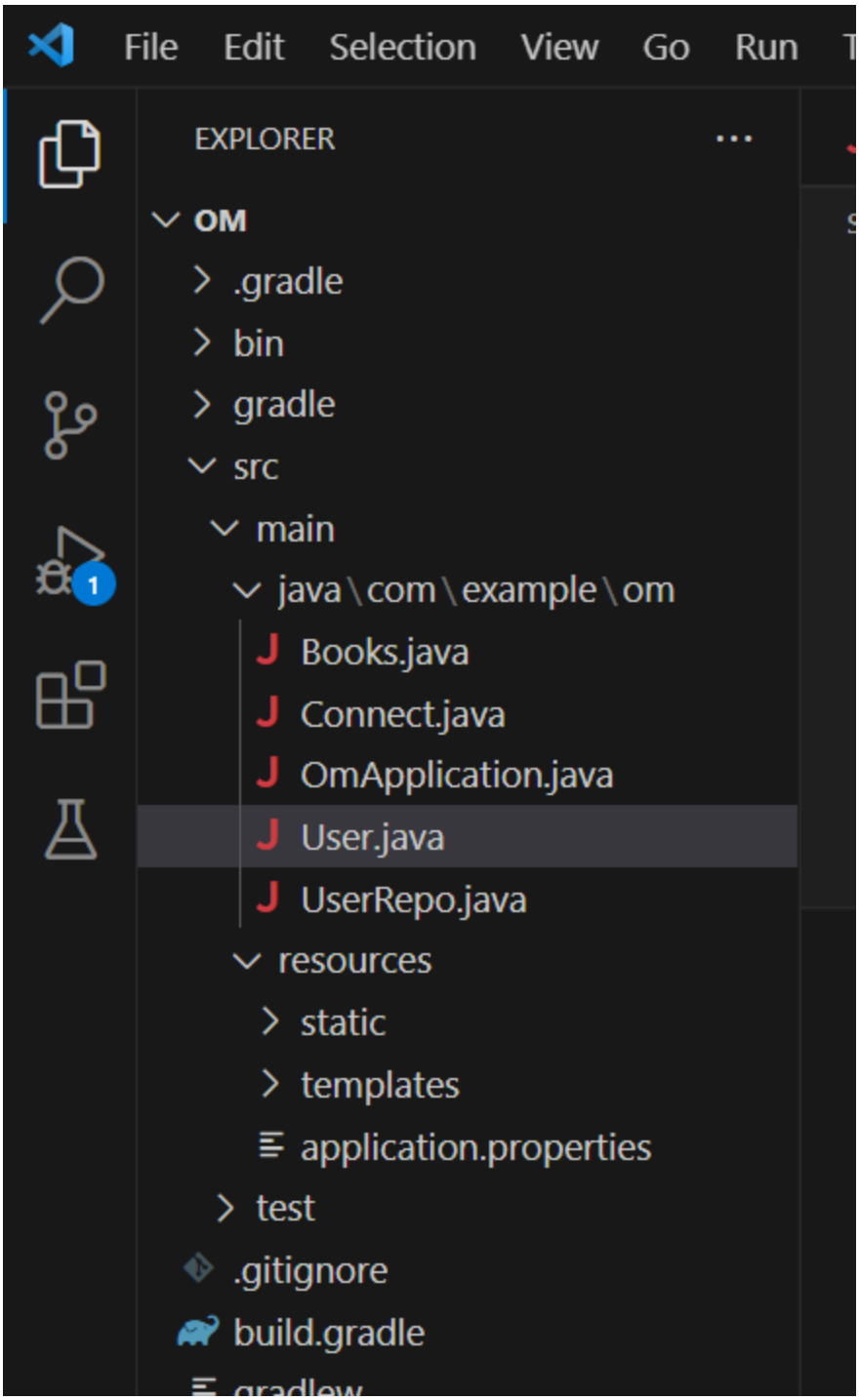


Finally click on generate

And then you will see zip folder in your downloads



extract it and open with visual code :-



And now

Step 3:-

Create User.java file under om package folder as shown above :-

```
package com.example.om;
```

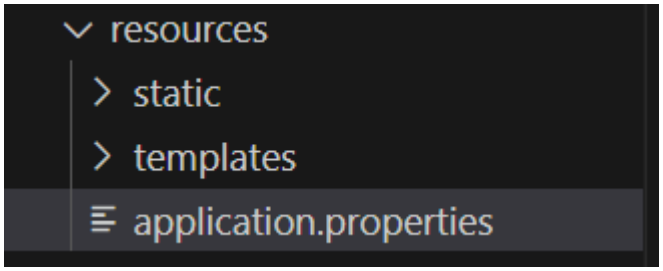
```java
import jakarta.persistence.Entity;
import jakarta.persistence.GeneratedValue;
import jakarta.persistence.GenerationType;
import jakarta.persistence.Id;
import jakarta.persistence.Table;

@Entity
@Table
public class User {
    @Id
    @GeneratedValue(strategy = GenerationType.AUTO)
    int id;
    String name;
    User() {}
    User(int id, String name)
    {
        this.id = id;
        this.name = name;
    }
}
```

Step 4:-

Create UserRepo.java file code under om package folder :-

```java
package com.example.om;
import org.springframework.data.jpa.repository.JpaRepository;

interface UserRepo extends JpaRepository<User,Integer> {

}
```

Step 5:- open application.properties which you will see under resources folder .



```
spring.datasource.username=root
spring.datasource.password=
spring.datasource.url=jdbc:mysql://localhost:3306/user
spring.jpa.hibernate.ddl-auto=update
```

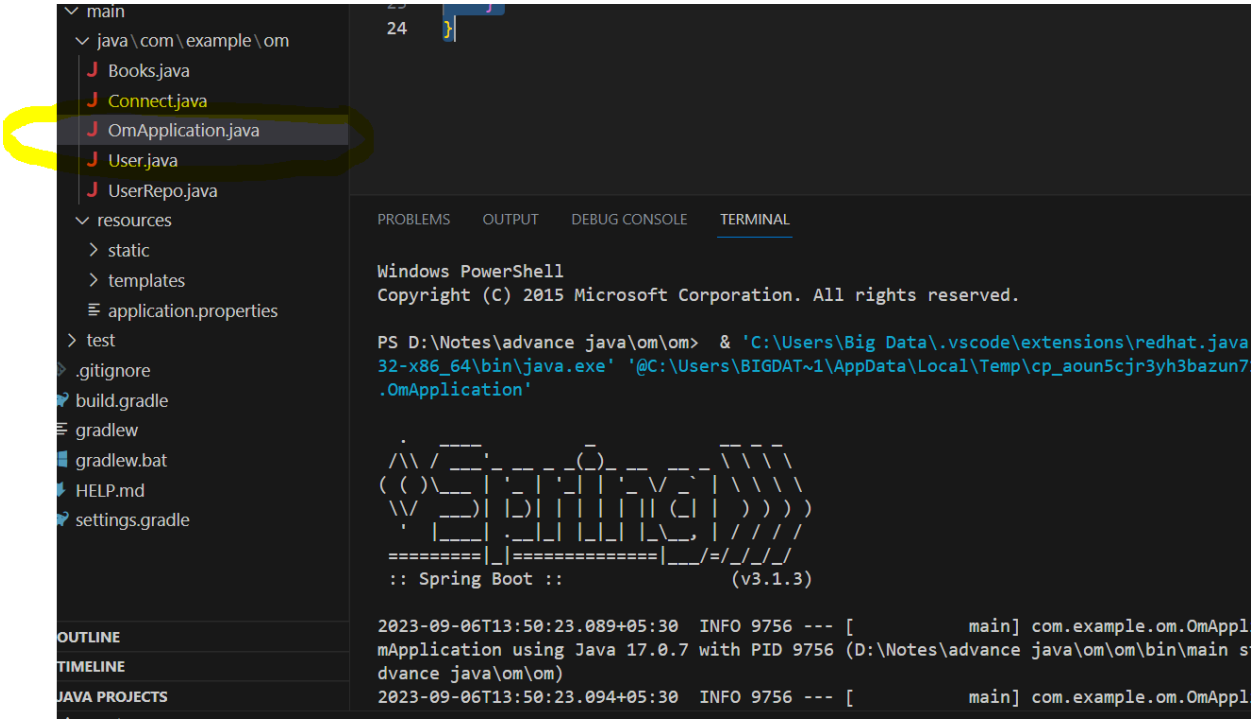
and after it

Step 6:-

```
package com.example.om;

import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;
import org.springframework.boot.CommandLineRunner;

@SpringBootApplication
public class OmApplication implements CommandLineRunner {
    @Autowired UserRepo ob;
    public static void main(String[] args)
    {
        SpringApplication.run(OmApplication.class, args);
    }

    @Override
    public void run(String... args) throws Exception
    {
        // Inserting the data in the mysql table.
        User first = new User(1, "omsir");
        // ob.save() method
        ob.save(first);
    }
}
```

And finally run your application file as shown below

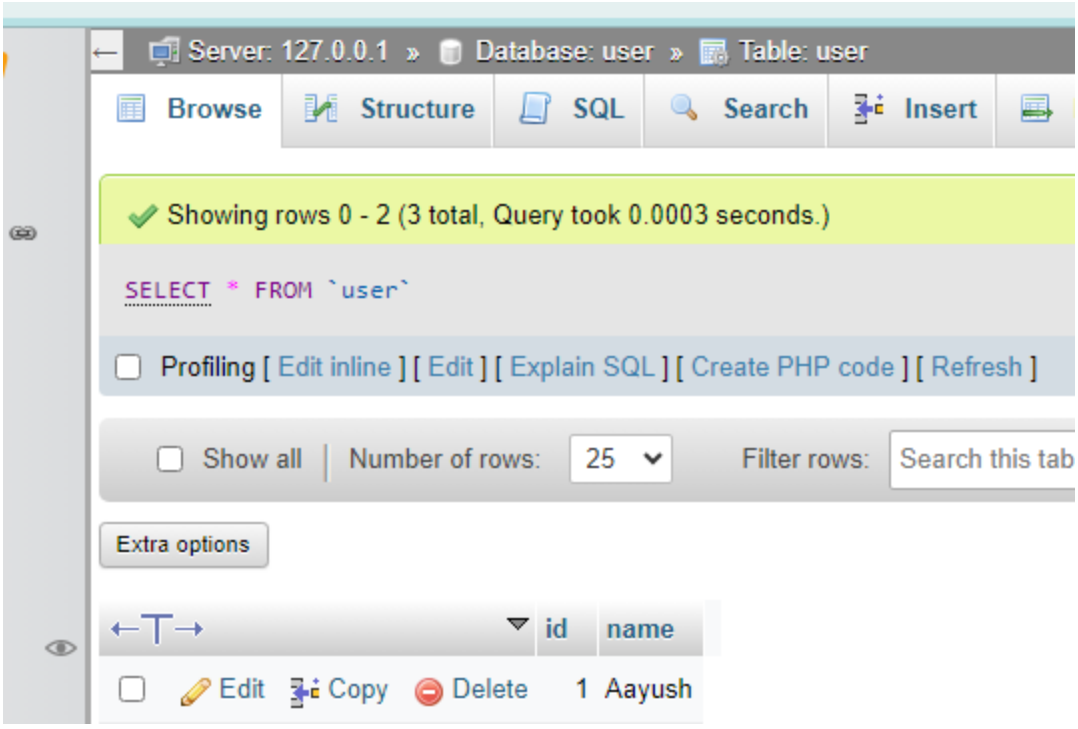
OmAppication.java

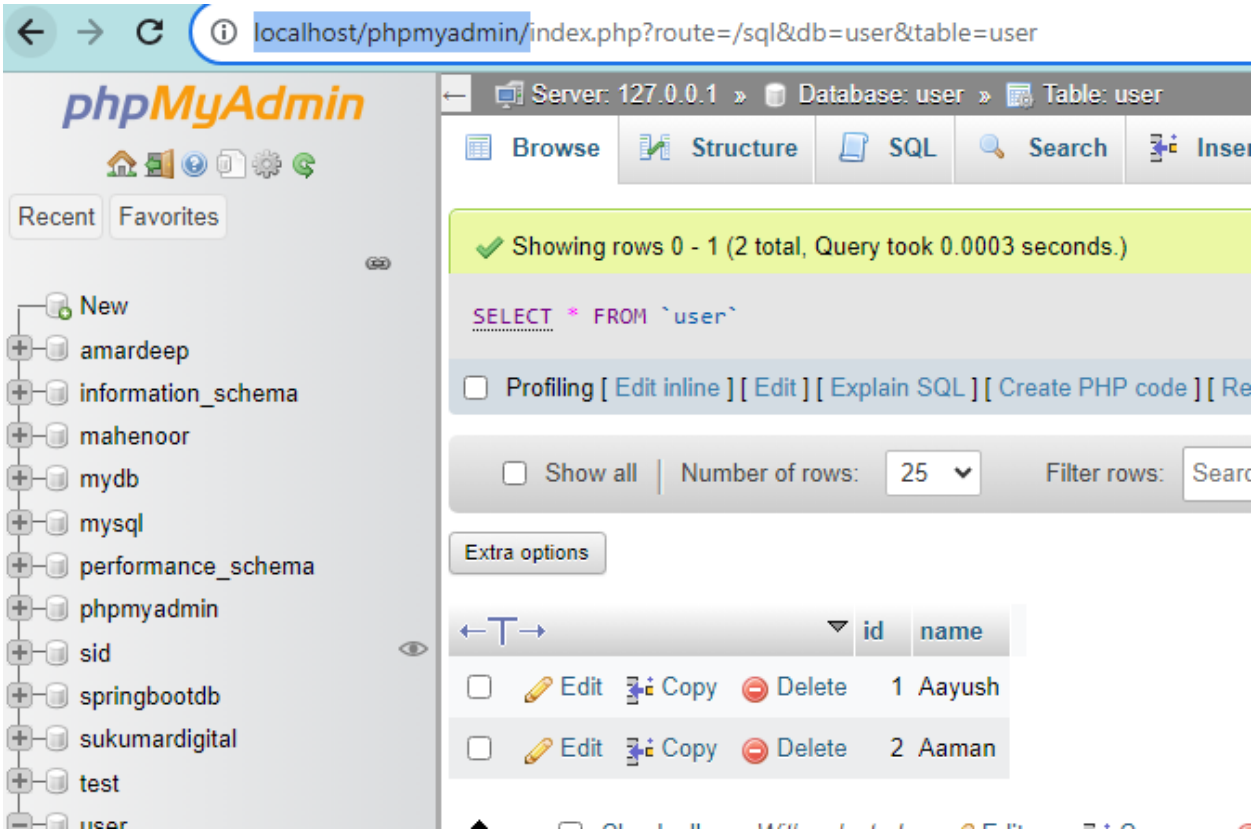


And open your browser :- and visit your phpmyadmin interface of xampp

http://localhost/phpmyadmin/

you will see record added in user table as shown below


Server: 127.0.0.1 » Database: user » Table: user
Browse
Structure
SQL
Search
Insert
Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)
SELECT * FROM `user`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all
Number of rows: 25
Filter rows: Search this tab
Extra options
id
name
Edit
Copy
Delete
1 Aayush


localhost/phpmyadmin/index.php?route=/sql&db=user&table=user
phpMyAdmin
Recent
Favorites
New
amardeep
information_schema
mahenoor
mydb
mysql
performance_schema
phpmyadmin
sid
springbootdb
sukumardigital
test
user
Server: 127.0.0.1 » Database: user » Table: user
Browse
Structure
SQL
Search
Showing rows 0 - 1 (2 total, Query took 0.0003 seconds.)
SELECT * FROM `user`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code]
Show all
Number of rows: 25
Extra options
id
name
Edit
Copy
Delete
1 Aayush
2 Aaman