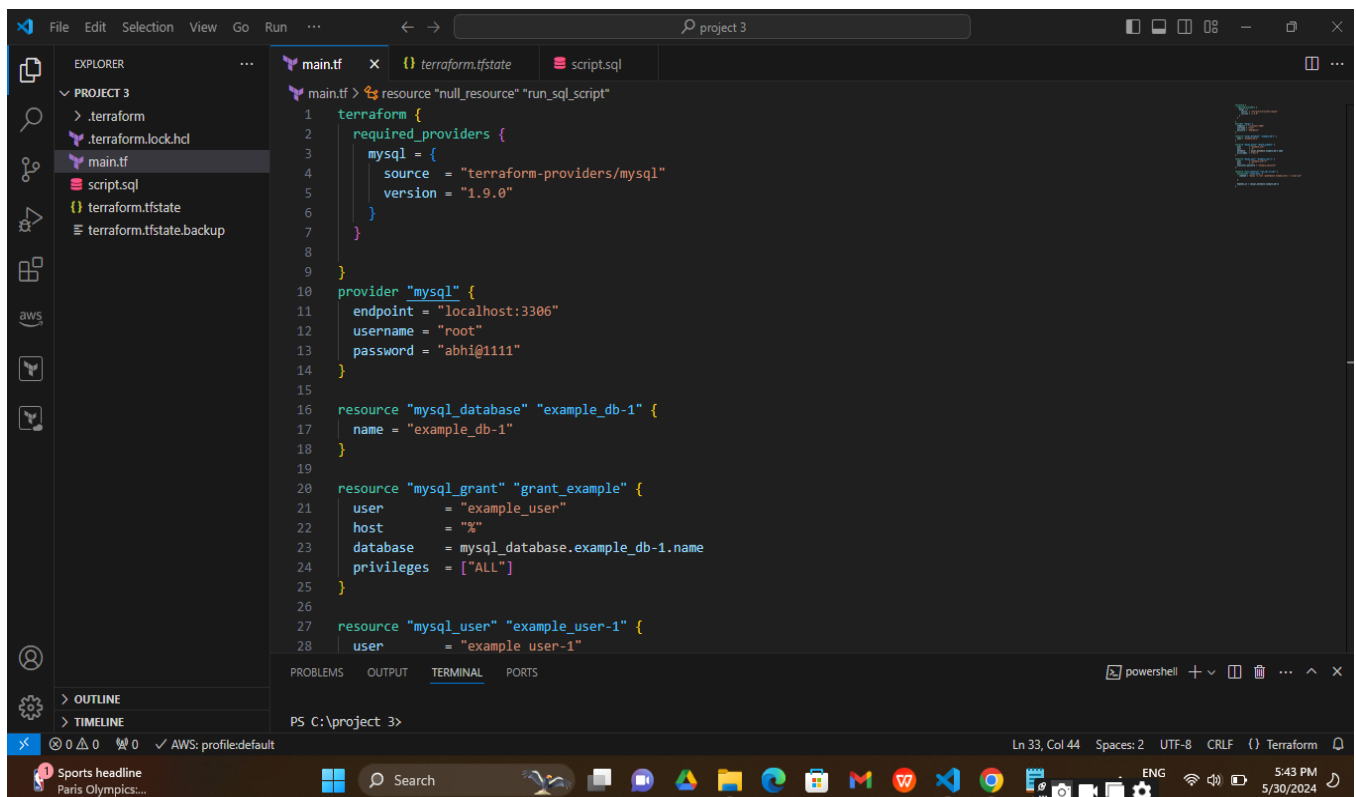


Project Name - Create MYSQL Database Using Terraform

- while creating database we have to write script in create table and insert into.

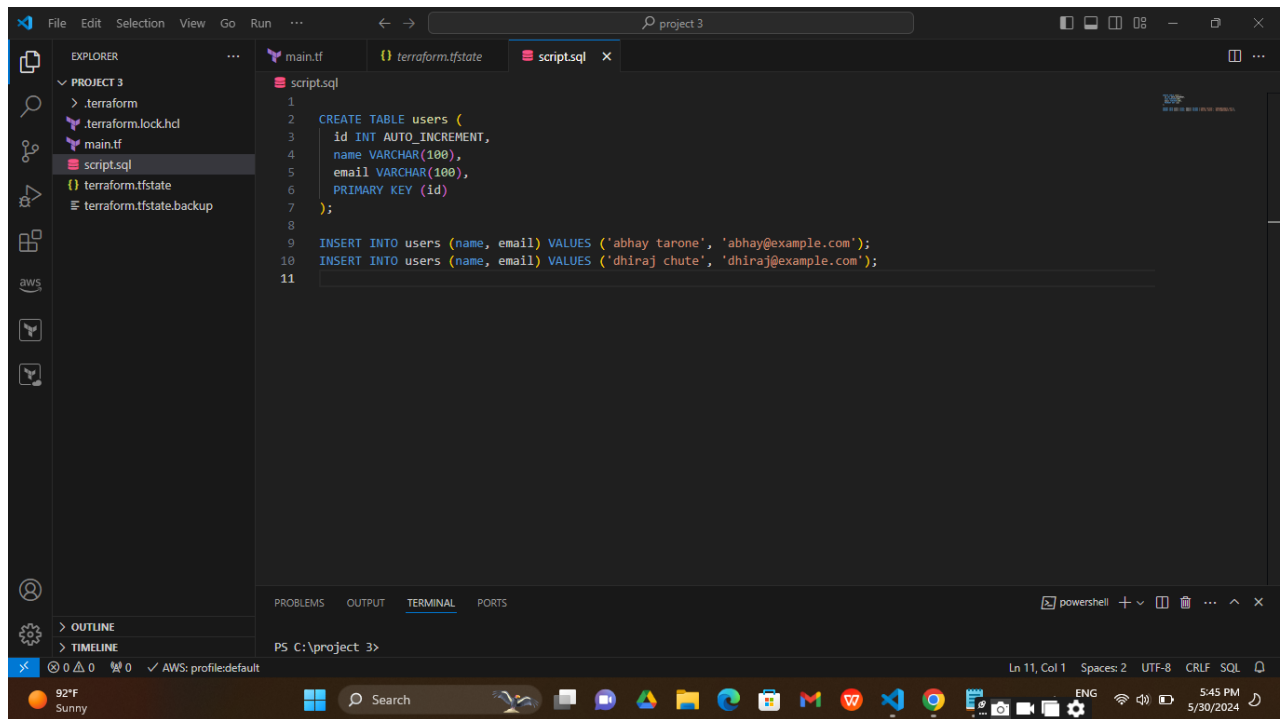
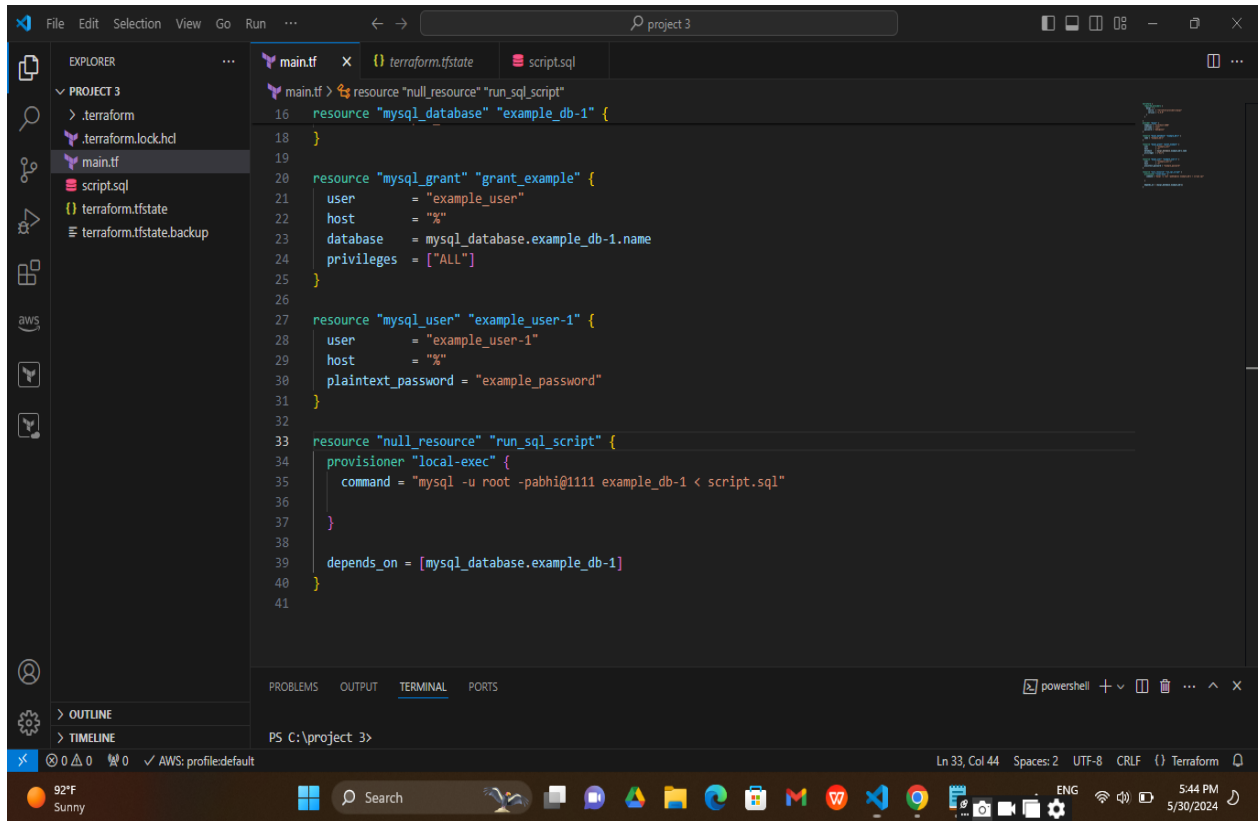
1. Create folder - Project 3 and in this folder, we create main.tf and script.sql.
2. In main.tf
3. Terraform block specified that the Terraform configuration requires the MySQL provider with version 1.9.0.
4. Source - terraform-providers/MySQL specifies the source of the MySQL provider.
5. Provider configuration of the MySQL provider with the connection details.
6. We defines a MySQL database resource named example_db-1.
7. The database created will have the name example_db-1.
8. Define MySQL Grant Resource.
9. Define MySQL User Resource.
10. Define null resource to run SQL script.
11. In script.sql- Table Creation
 - Inserting Records

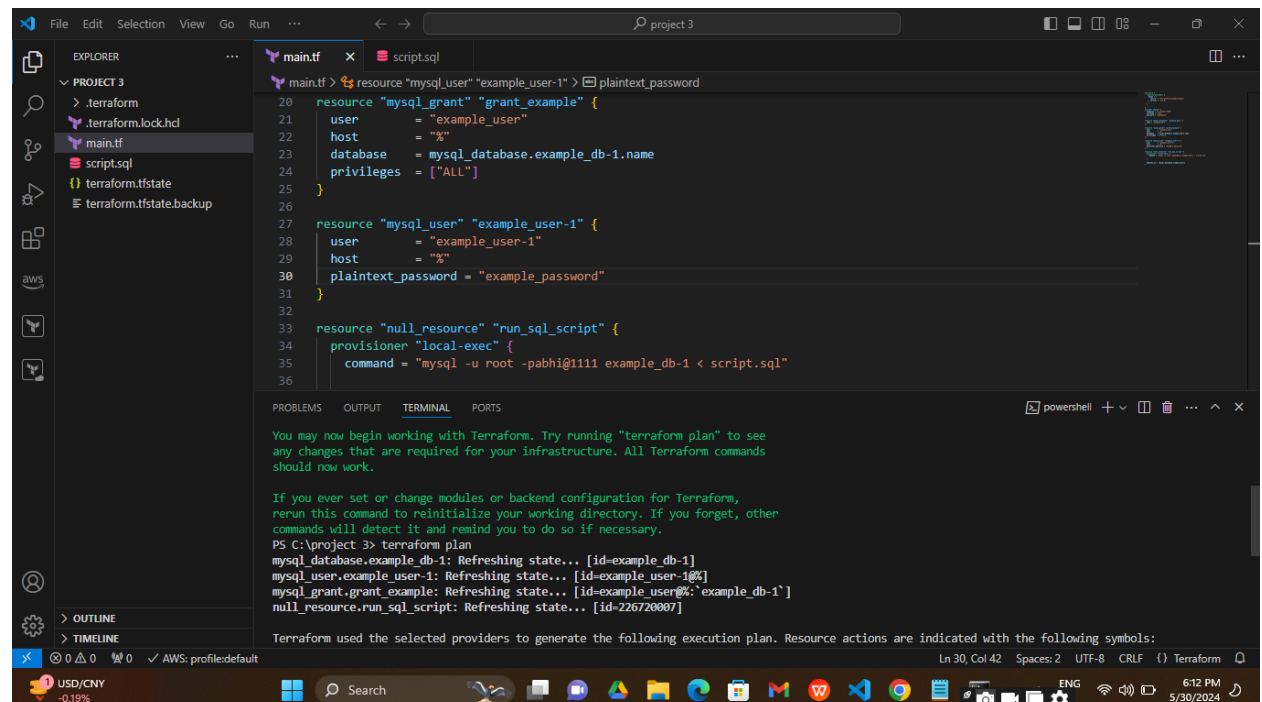
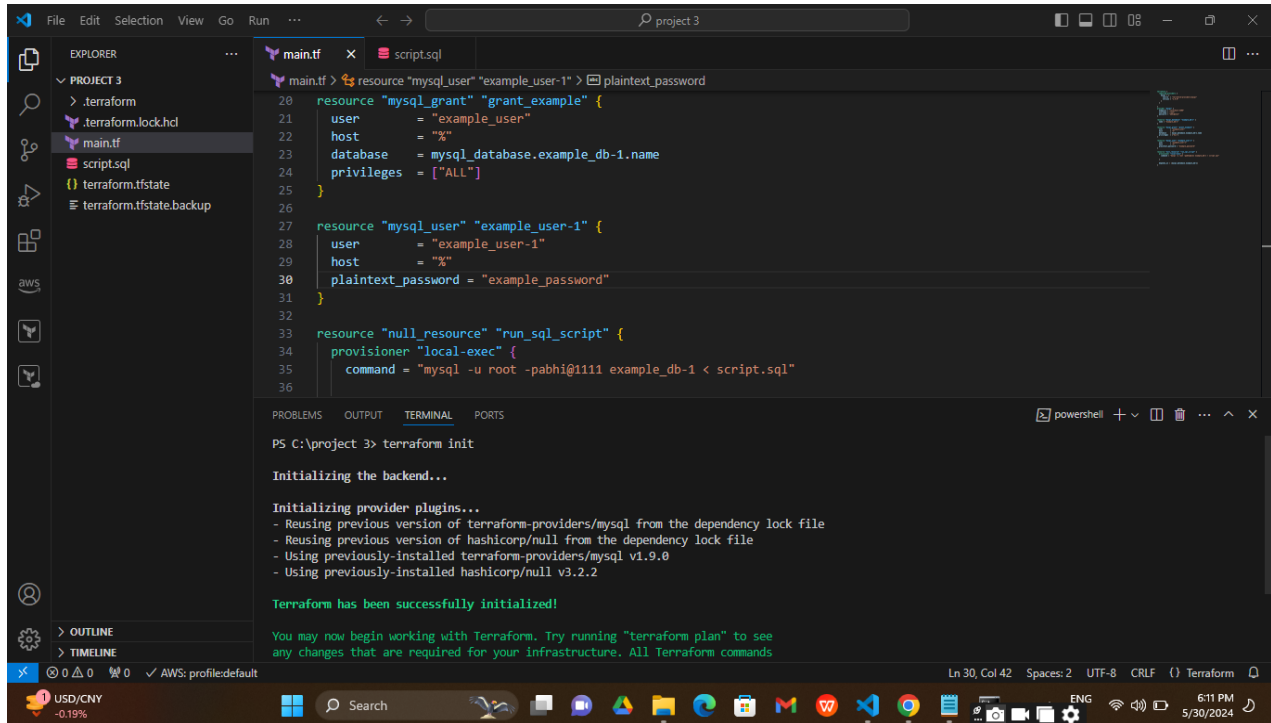


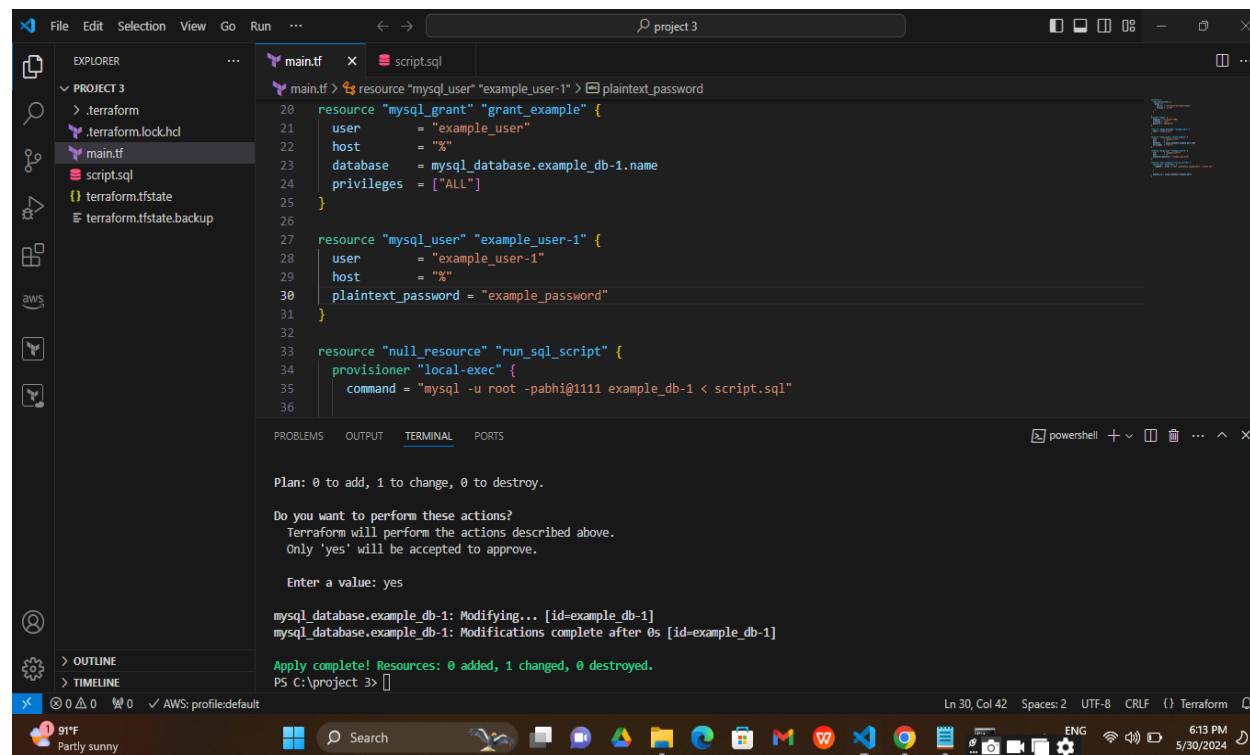
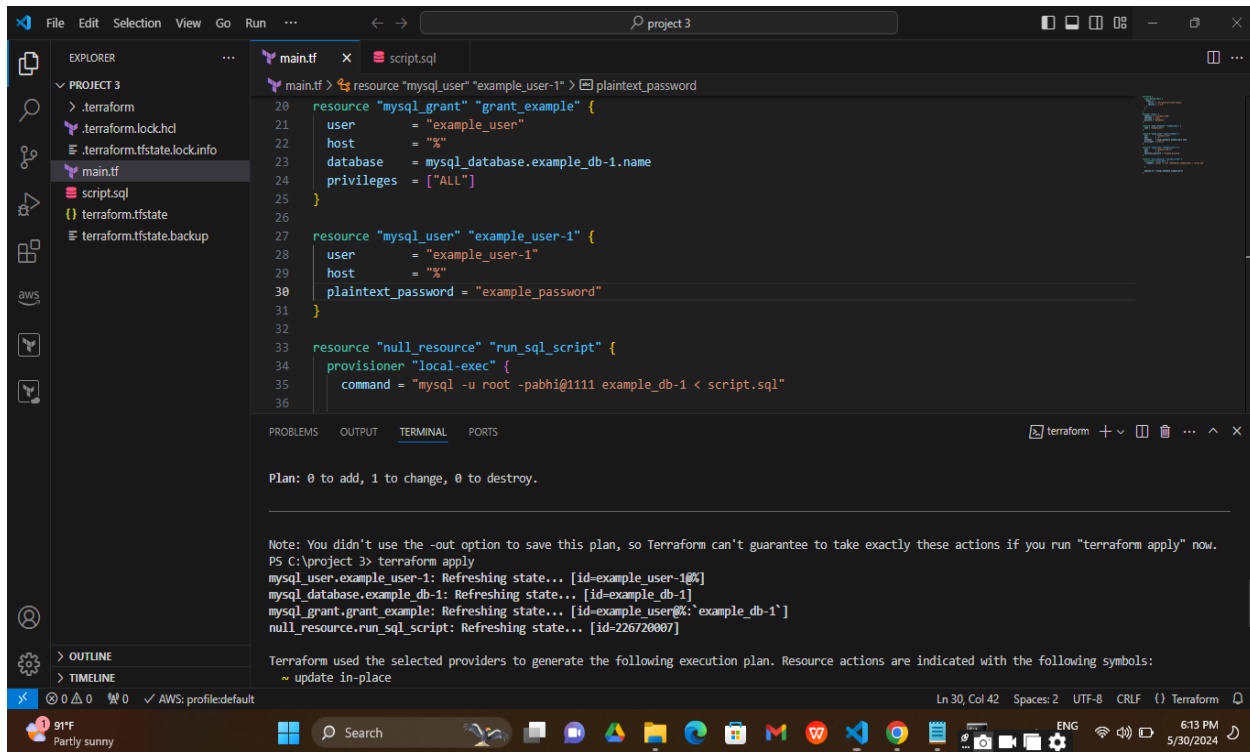
The screenshot shows the Visual Studio Code editor with a project named 'project 3'. The Explorer pane on the left shows the file structure: .terraform, .terraform.lock.hcl, main.tf, script.sql, terraform.tfstate, and terraform.tfstate.backup. The main.tf file is open in the editor, showing the following Terraform configuration:

```
1  resource "null_resource" "run_sql_script"
2  {
3      terraform {
4          required_providers {
5              mysql = {
6                  source = "terraform-providers/mysql"
7                  version = "1.9.0"
8              }
9          }
10     }
11     provider "mysql" {
12         endpoint = "localhost:3306"
13         username = "root"
14         password = "abhi@1111"
15     }
16     resource "mysql_database" "example_db-1" {
17         name = "example_db-1"
18     }
19
20     resource "mysql_grant" "grant_example" {
21         user      = "example_user"
22         host      = "%"
23         database  = mysql_database.example_db-1.name
24         privileges = ["ALL"]
25     }
26
27     resource "mysql_user" "example_user-1" {
28         user = "example user-1"
```

The bottom status bar shows the current line and column as 'Ln 33, Col 44' and the file encoding as 'UTF-8'.







```
Command Prompt - mysql -u root -p
Microsoft Windows [Version 10.0.22000.2057]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Dell>mysql -u root -p
Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.37 MySQL Community Server - GPL

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| a         |
| example_db |
| example_db-1 |
| information_schema |
| mysql     |
| performance_schema |
| sys       |
+-----+
7 rows in set (0.03 sec)

mysql>
```

```
Command Prompt - mysql -u root -p

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+-----+
| Database |
+-----+
| a         |
| example_db |
| example_db-1 |
| information_schema |
| mysql     |
| performance_schema |
| sys       |
+-----+
7 rows in set (0.03 sec)

mysql> use example_db-1;
Database changed
mysql> show tables;
+-----+
| Tables_in_example_db-1 |
+-----+
| users                   |
+-----+
1 row in set (0.02 sec)

mysql> select * from users;
+-----+
| id | name      | email                |
+-----+
| 1  | abhay tarone | abhay@example.com    |
| 2  | dhiraaj chute | dhiraaj@example.com  |
+-----+
2 rows in set (0.02 sec)

mysql>
```