VITAP UNIVERSITY

NAME: B Ranga sai Siddartha

Branch: MTSE

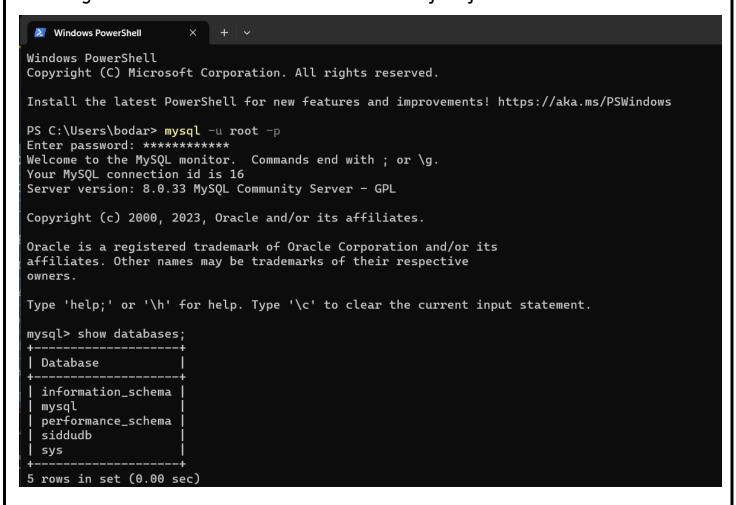
Register no: 20MIS7068

SMARTBRIDGE EXTERNSHIP

Modern Application Development (Java Spring Boot)

ASSIGNMENT – 3

Creating the Database that we need to connect to Java IDBC:

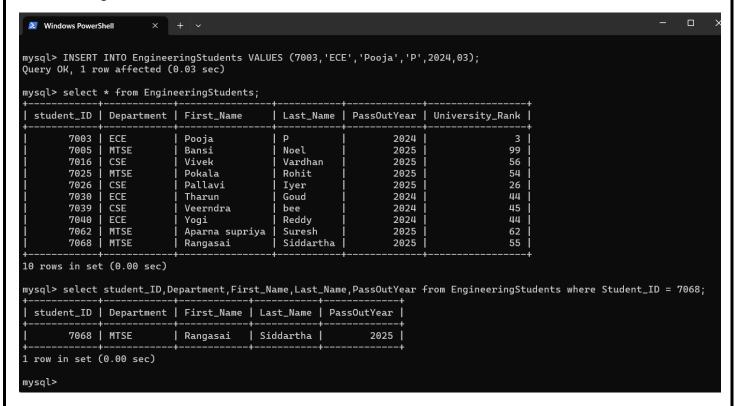


```
Windows PowerShell
mysql> create database DB_20MIS7068
    ->
Query OK, 1 row affected (0.01 sec)
mysql> show databases;
 Database
 db_20mis7068
  information_schema
  mysql
  performance_schema
  siddudb
 sys
6 rows in set (0.00 sec)
mysql> use db_20mis7068
Database changed
mysql> create table EngineeringStudents(
    -> student_ID INT NOT NULL,
    -> Department VARCHAR(25),
    -> First_Name VARCHAR(25),
    -> Last_Name VARCHAR(25),
    -> PassOutYear INT NOT NULL,
    -> University_Rank INT NOT NULL,
    -> PRIMARY KEY(student_ID)
    -> );
Query OK, 0 rows affected (0.02 sec)
```

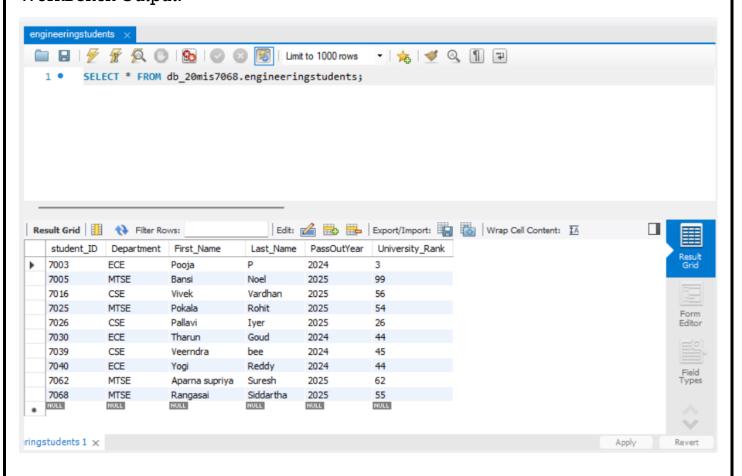
Inserting values into the Database db 20mis7068:

```
➢ Windows PowerShell
mysql> INSERT INTO EngineeringStudents VALUES (7068, 'MTSE', 'Rangasai', 'Siddartha', 2025, 55);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7025, 'MTSE', 'Pokala', 'Rohit', 2025, 54);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7016,'CSE','Vivek','Vardhan',2025,56);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7030, 'ECE', 'Tharun', 'Goud', 2024, 44);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7040, 'ECE', 'Yogi', 'Reddy', 2024, 44);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7039, 'CSE', 'Veerndra', 'bee', 2024, 45);
Query OK, 1 row affected (0.00 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7005, 'MTSE', 'Bansi', 'Noel', 2025, 99);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7026, 'CSE', 'Pallavi', 'Iyer', 2025, 26);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7062, 'MTSE', 'Aparna supriya', 'Suresh', 2025, 62);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO EngineeringStudents VALUES (7003, 'ECE', 'Pooja', 'P', 2024, 03);
Query OK, 1 row affected (0.03 sec)
```

Visualizing the Database db_20mis7068:



WorkBench Output:



Connecting the Database with Java JDBC:

We need to perform try catch method and the modules need to import are:

- Connection
- DriverManager
- ResultSet
- Statement

Output that displays the First_Name column of the Database db_20mis7068:



Java code for more Outputs:

Output that displays the First_Name + Last_Name columns of the Database db_20mis7068:

