ASSIGNMENT – 3

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

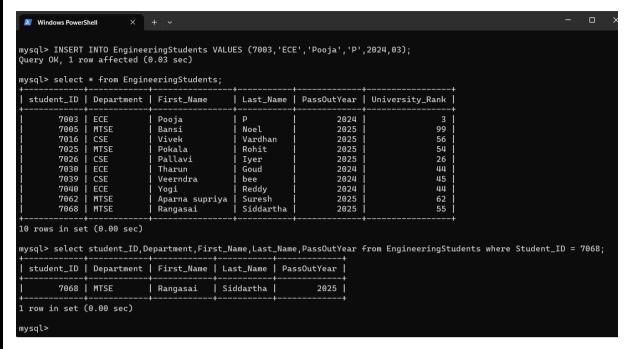
```
Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\bodar> mysql -u root -p
Enter password: ********
Welcome to the MySQL monitor. Commands end with; or \g.
Your MySQL connection id is 16
Server version: 8.0.33 MySQL Community Server - GPL
Copyright (c) 2000, 2023, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
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
 information_schema
 mysql
  performance_schema
  siddudb
  sys
5 rows in set (0.00 sec)
```

```
Windows PowerShell
mysgl> create database DB_20MIS7068
    ->
Query OK, 1 row affected (0.01 sec)
mysql> show databases;
 Database
 db 2
  information_schema
  mysql
  performance_schema
  siddudb
 sys
6 rows in set (0.00 sec)
mysql> use db_2
Database changed
mysgl> 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)
```

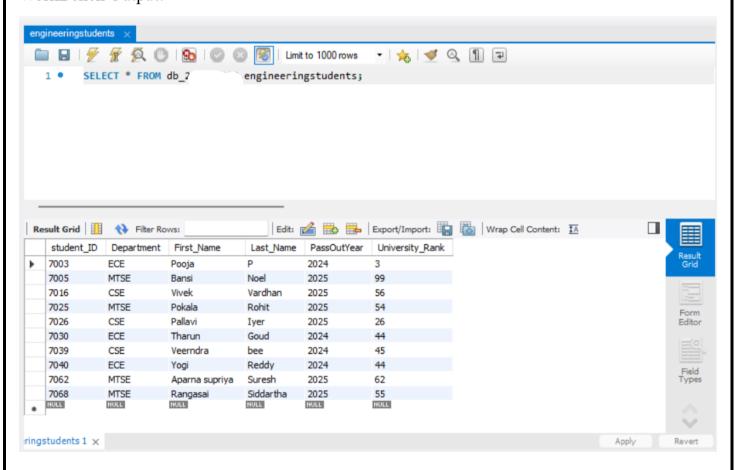
Inserting values into the Database db 20mis7

```
➢ 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 2



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_

```
Run: main ×

C:\Program Files\Java\jdk-15.0.2\bin\java.exe" "-javaagent:C:\Users\bodar\IntelliJ II

Pooja
Bansi
Vivek
Pokala
Pallavi
Tharun
Veerndra
Yogi
Aparna supriya
Rangasai

Process finished with exit code 0
```

```
package com.Siddartha;
import java.sql.Connection;
import java.sql.DriverManager;
```

```
import java.sql.ResultSet;
import java.sql.Statement;

public class main {
    public static void main(String[] args) {
        try {
            Connection conn = DriverManager.getConnection("jdbc:mysql://localhost:3306/db_20mis7068","root","Anuprasad_19");
            Statement statement = conn.createStatement();
            ResultSet resultSet = statement.executeQuery("select * from EngineeringStudents");
            while (resultSet.next()) {
                  System.out.println(resultSet.getString("First_Name")+ " " +resultSet.getString("Last_Name"));
            }
            catch (Exception e) {
                  e.printStackTrace();
            }
        }
}
```

Output that displays the First Name + Last Name columns of the Database db 2:

