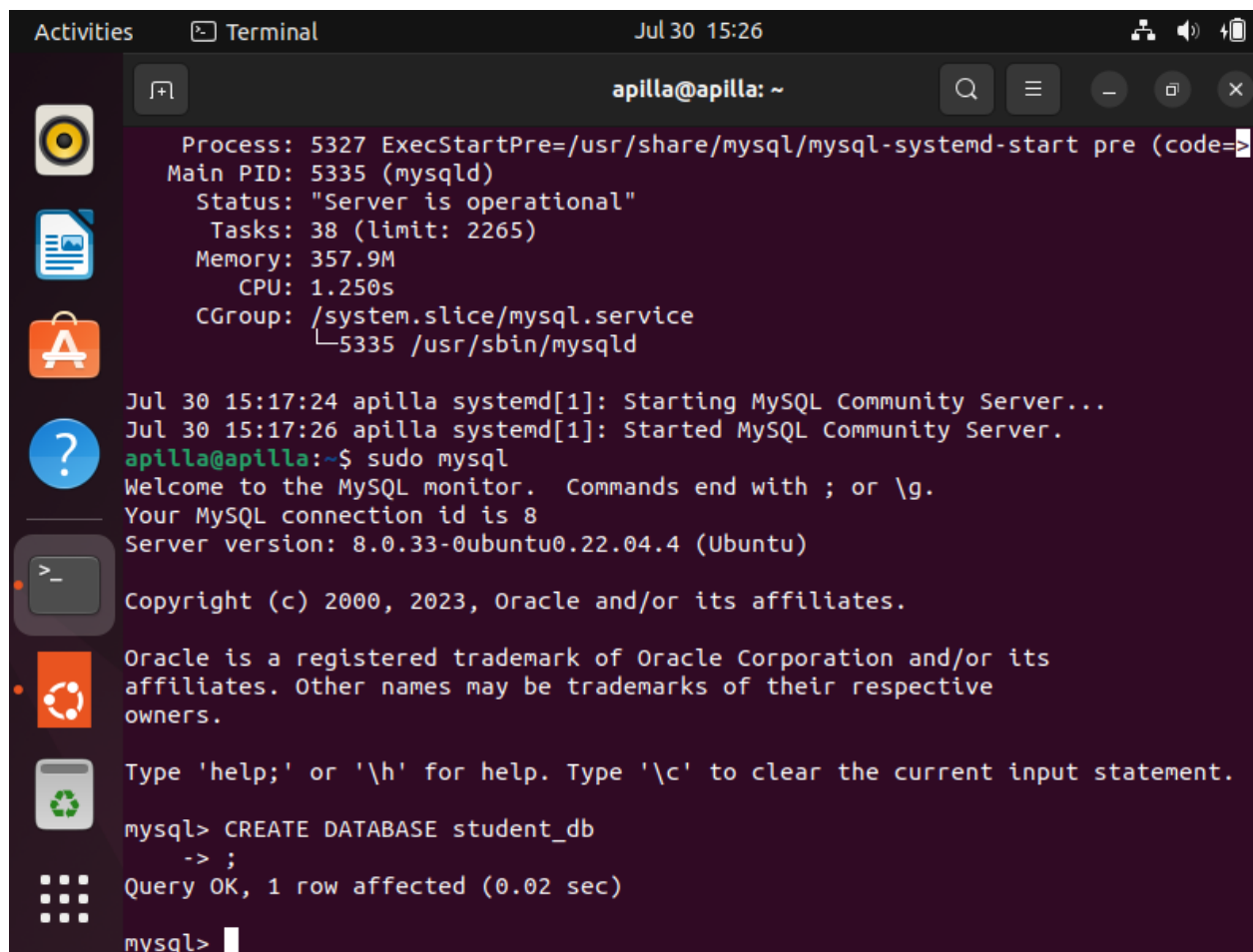


I ADIVISHNU MURTHY PILLA declare that I have completed this assignment completely and entirely on my own, without any consultation with others. I have read the UAB Academic Honor Code and understand that any breach of the Honor Code may result in severe penalties.

Student signature/initials: ADIVISHNU MURTHY PILLA

Date: 7/30/23

A terminal window titled 'Terminal' with the date and time 'Jul 30 15:26'. The prompt is 'apilla@apilla: ~'. The output shows the status of the MySQL service: 'Process: 5327 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=0)', 'Main PID: 5335 (mysqld)', 'Status: "Server is operational"', 'Tasks: 38 (limit: 2265)', 'Memory: 357.9M', 'CPU: 1.250s', and 'CGroup: /system.slice/mysql.service └─5335 /usr/sbin/mysqld'. Below this, it shows the MySQL server starting: 'Jul 30 15:17:24 apilla systemd[1]: Starting MySQL Community Server...' and 'Jul 30 15:17:26 apilla systemd[1]: Started MySQL Community Server.'. The user then runs 'sudo mysql', which prompts for a password. The MySQL monitor displays: 'Welcome to the MySQL monitor. Commands end with ; or \g. Your MySQL connection id is 8. Server version: 8.0.33-0ubuntu0.22.04.4 (Ubuntu) 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> CREATE DATABASE student_db -> ; Query OK, 1 row affected (0.02 sec) mysql> ' data-bbox="113 237 881 688"/>

```
Process: 5327 ExecStartPre=/usr/share/mysql/mysql-systemd-start pre (code=0)
Main PID: 5335 (mysqld)
Status: "Server is operational"
Tasks: 38 (limit: 2265)
Memory: 357.9M
CPU: 1.250s
CGroup: /system.slice/mysql.service
└─5335 /usr/sbin/mysqld

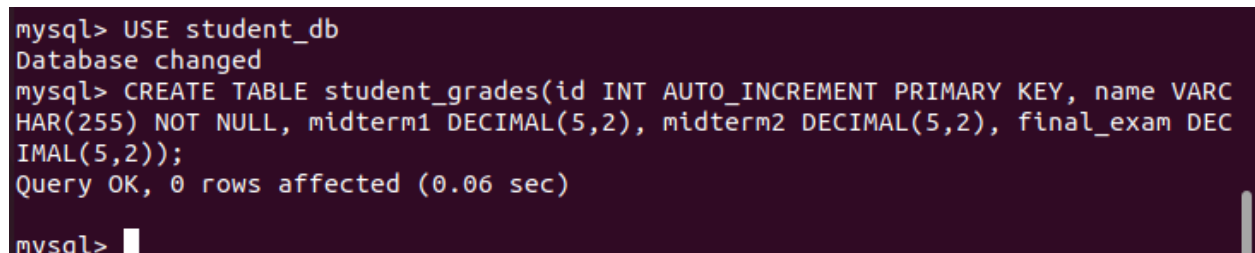
Jul 30 15:17:24 apilla systemd[1]: Starting MySQL Community Server...
Jul 30 15:17:26 apilla systemd[1]: Started MySQL Community Server.
apilla@apilla:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.33-0ubuntu0.22.04.4 (Ubuntu)

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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> CREATE DATABASE student_db
-> ;
Query OK, 1 row affected (0.02 sec)

mysql>
```

A terminal window showing the continuation of the MySQL session. The user enters 'USE student_db', and the prompt changes to 'Database changed'. Then, the user enters 'CREATE TABLE student_grades(id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(255) NOT NULL, midterm1 DECIMAL(5,2), midterm2 DECIMAL(5,2), final_exam DECIMAL(5,2));', and the output is 'Query OK, 0 rows affected (0.06 sec)'. The prompt returns to 'mysql>'. data-bbox="113 728 881 847"/>

```
mysql> USE student_db
Database changed
mysql> CREATE TABLE student_grades(id INT AUTO_INCREMENT PRIMARY KEY, name VARCHAR(255) NOT NULL, midterm1 DECIMAL(5,2), midterm2 DECIMAL(5,2), final_exam DECIMAL(5,2));
Query OK, 0 rows affected (0.06 sec)

mysql>
```

```
mysql> INSERT INTO student_grades(id,name,midterm1,midterm2,final_exam) VALUES(
1,'VishnuPilla',95,85,95),(2,'John',75,65,85),(3,'Andrew',66,86,96);
Query OK, 3 rows affected (0.06 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM student_grades
```

```
-> ;
```

```
+---+-----+-----+-----+-----+
| id | name      | midterm1 | midterm2 | final_exam |
+---+-----+-----+-----+-----+
|  1 | VishnuPilla |    95.00 |    85.00 |    95.00 |
|  2 | John        |    75.00 |    65.00 |    85.00 |
|  3 | Andrew      |    66.00 |    86.00 |    96.00 |
+---+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

