

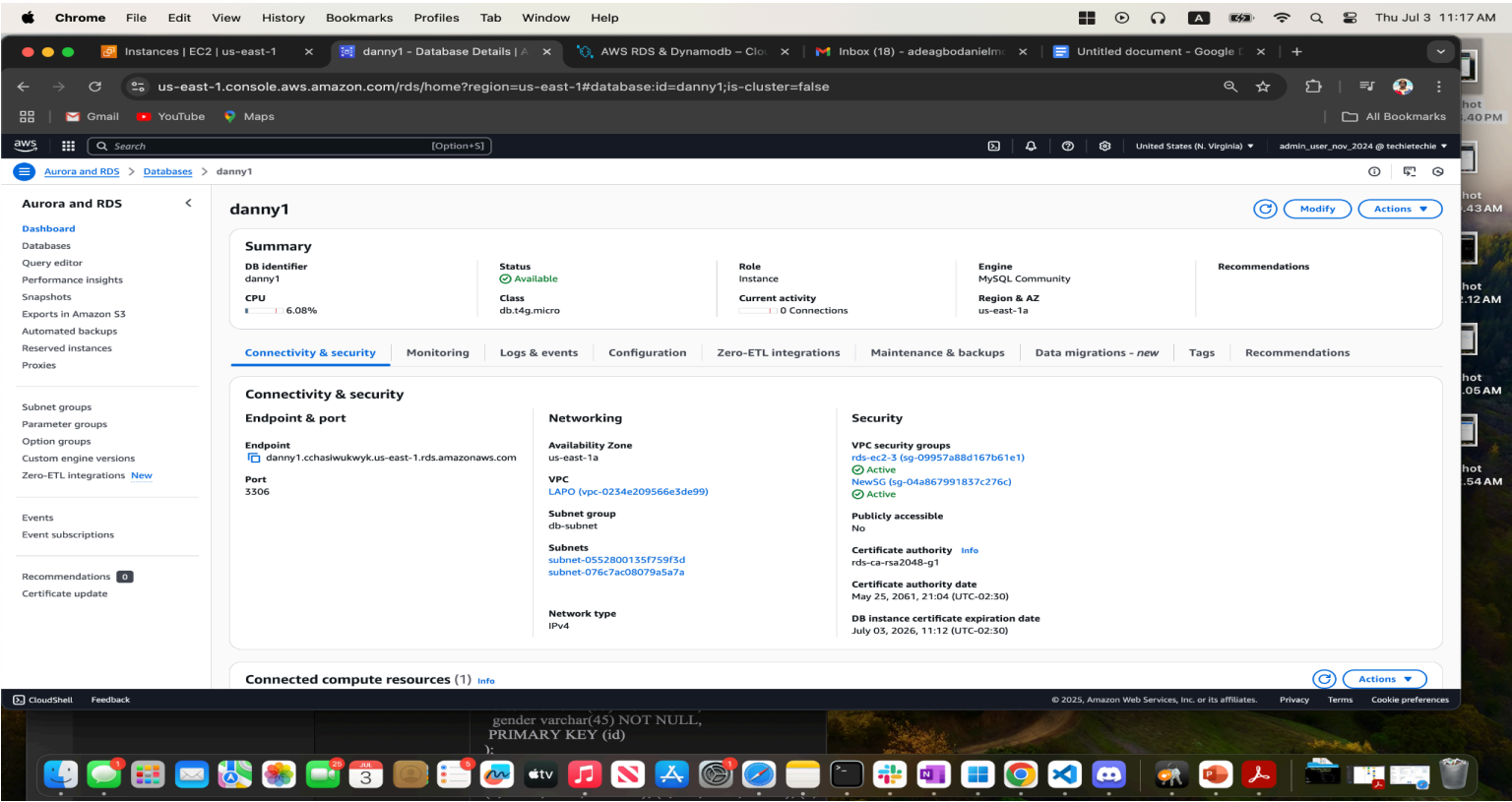
# DataBase

Name : Adeagbo M Daniel

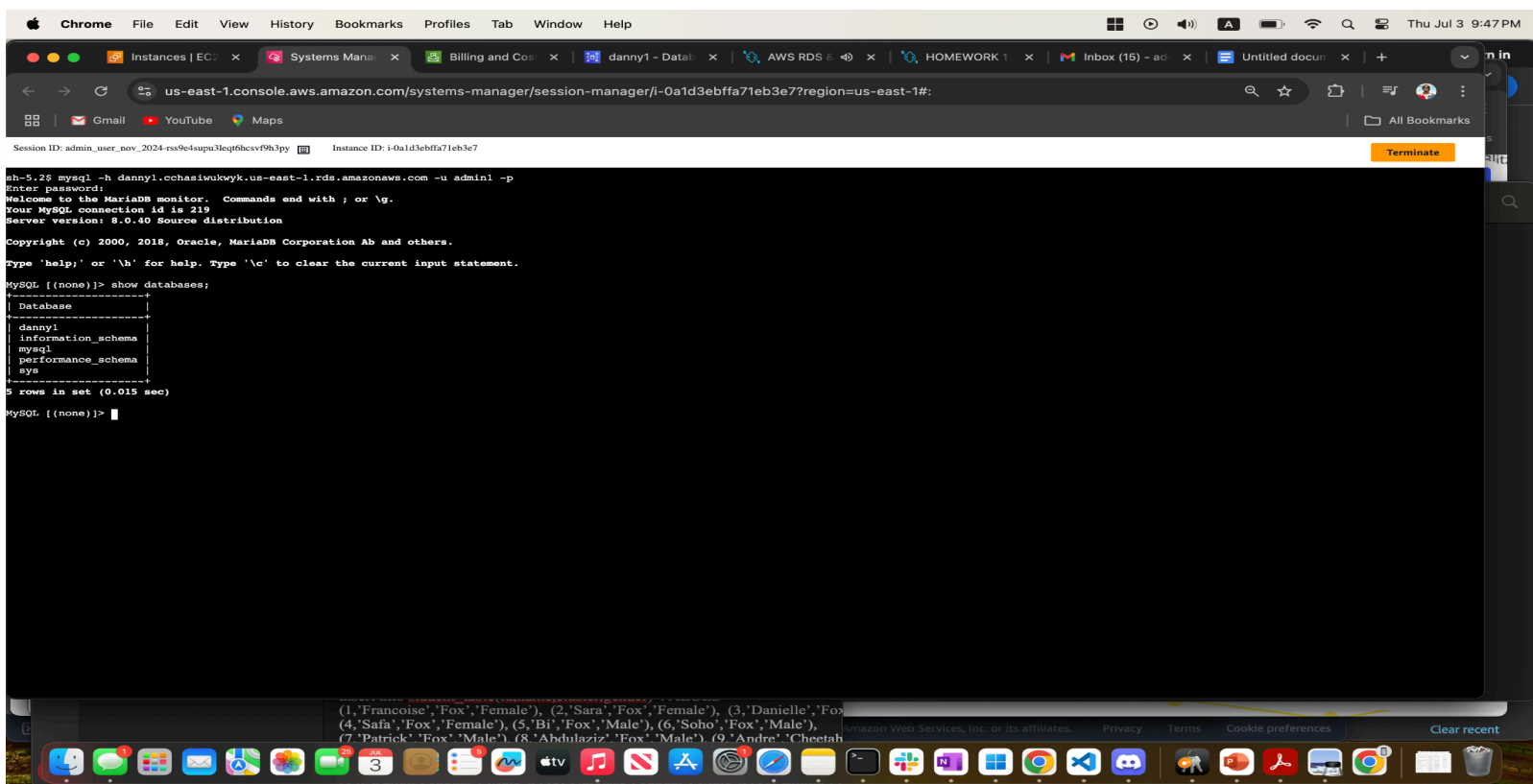
## DataBase Hands On

### HomeWork :

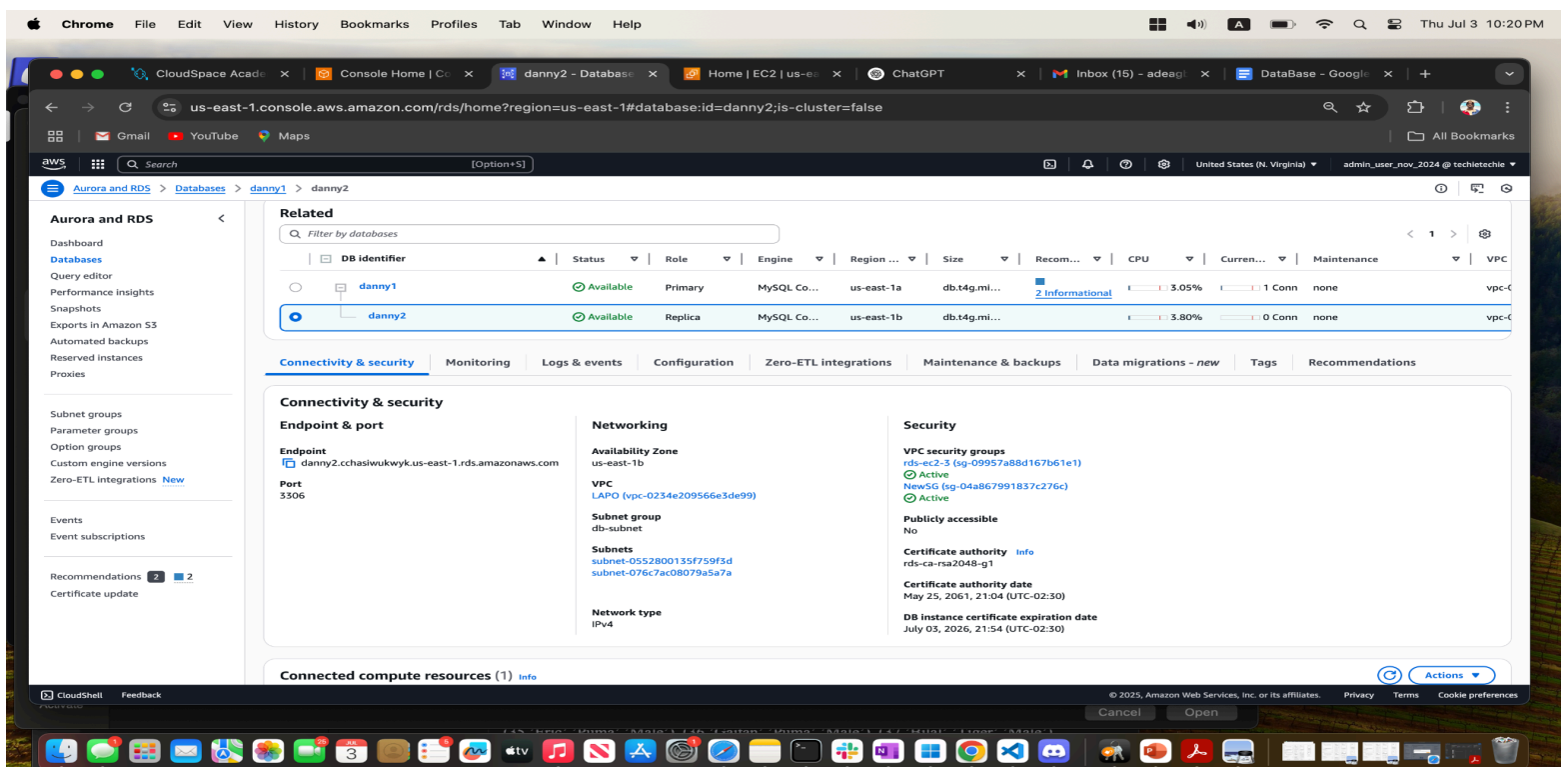
- Create a MySQL RDS DB instance (using the free tier)



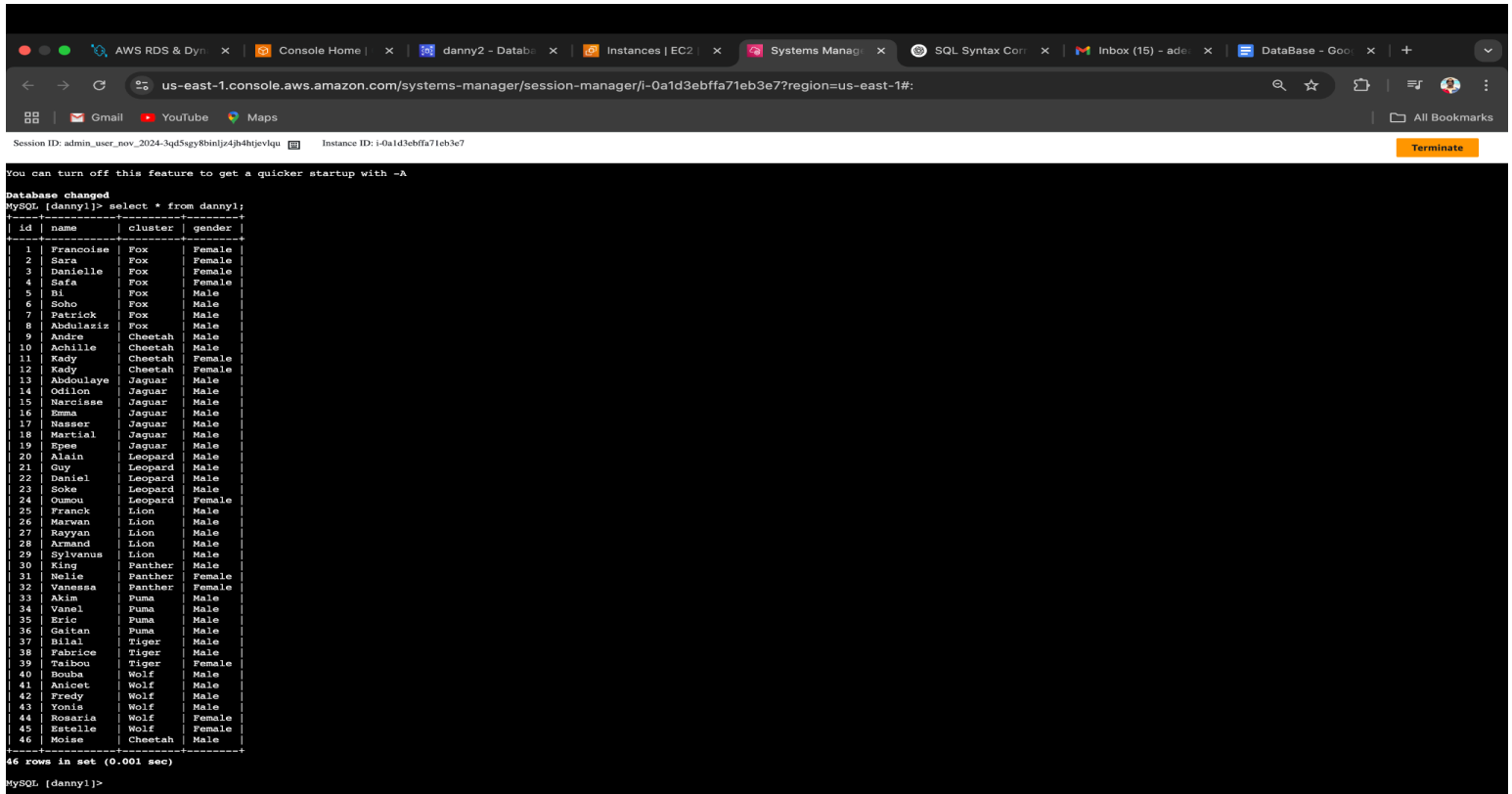
- Connect to your database using an EC2 or MySQL workbench (Share screenshot)



- Create a read replica of your RDS DB instance



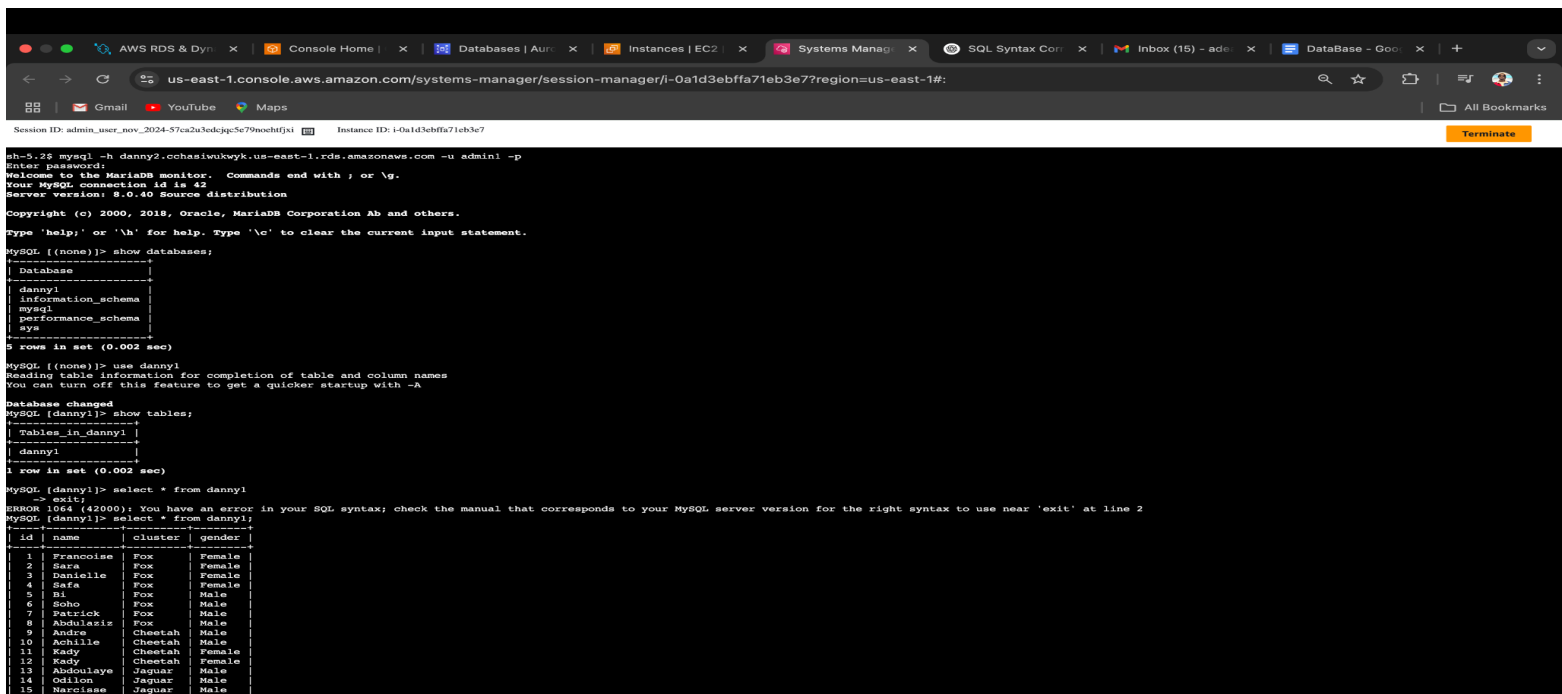
- Create a table (using the SQL commands we used during the class. See script below) in your main DB instance and confirm that it's replicating in the Read-replica (Share screenshot)



```
Session ID: admin_user_nov_2024-3qd5gy8hinjs4jh4hjevkqu Instance ID: i-0a1d3ebffa71eb3e77
You can turn off this feature to get a quicker startup with -A
Database changed
MySQL [danny1]> select * from danny1;
+----+-----+-----+-----+
| id | name  | cluster | gender |
+----+-----+-----+-----+
| 1  | Sara  | Fox     | Female |
| 2  | Sara  | Fox     | Female |
| 3  | Danielle | Fox    | Female |
| 4  | Safa  | Fox     | Female |
| 5  | Bl    | Fox     | Male   |
| 6  | Soho  | Fox     | Male   |
| 7  | Patrick | Fox    | Male   |
| 8  | Abdulaziz | Fox   | Male   |
| 9  | Andre | Cheetah | Male   |
| 10 | Achilles | Cheetah | Male   |
| 11 | Kady  | Cheetah | Female |
| 12 | Kady  | Cheetah | Female |
| 13 | Abdoulaye | Jaguar | Male   |
| 14 | Odilon | Jaguar | Male   |
| 15 | Narcisse | Jaguar | Male   |
| 16 | Emma  | Jaguar | Male   |
| 17 | Nasser | Jaguar | Male   |
| 18 | Martial | Jaguar | Male   |
| 19 | Epee  | Jaguar | Male   |
| 20 | Alain | Leopard | Male   |
| 21 | Guy   | Leopard | Male   |
| 22 | Daniel | Leopard | Male   |
| 23 | Soke  | Leopard | Male   |
| 24 | Oumou | Leopard | Female |
| 25 | Franck | Lion   | Male   |
| 26 | Marwan | Lion   | Male   |
| 27 | Rayyan | Lion   | Male   |
| 28 | Armand | Lion   | Male   |
| 29 | Sylvanus | Lion  | Male   |
| 30 | King  | Panther | Male   |
| 31 | Helie | Panther | Female |
| 32 | Vanessa | Panther | Female |
| 33 | Akim  | Puma   | Male   |
| 34 | Vanel | Puma   | Male   |
| 35 | Eric  | Puma   | Male   |
| 36 | Gaetan | Puma  | Male   |
| 37 | Bilal | Tiger  | Male   |
| 38 | Fabrice | Tiger | Male   |
| 39 | Taibou | Tiger  | Female |
| 40 | Bouba | Wolf   | Male   |
| 41 | Anicet | Wolf   | Male   |
| 42 | Fredy  | Wolf   | Male   |
| 43 | Yonis  | Wolf   | Male   |
| 44 | Rosaria | Wolf  | Female |
| 45 | Estelle | Wolf  | Female |
| 46 | Moise  | Cheetah | Male   |
+----+-----+-----+-----+
46 rows in set (0.001 sec)

MySQL [danny1]>
```

## Read Replica Database



```
Session ID: admin_user_nov_2024-57ua2a3edcjq5c79wechfjxt Instance ID: i-0a1d3ebffa71eb3e77
sh-5.2$ mysql -h danny2.chhasiwukvyk.us-east-1.rds.amazonaws.com -u admin1 -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MySQL connection id is 42
Server version: 8.0.40 Source distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MySQL [(none)]> show databases;
+-----+
| Database |
+-----+
| danny1   |
| information_schema |
| mysql    |
| performance_schema |
| sys      |
+-----+
5 rows in set (0.002 sec)

MySQL [(none)]> use danny1;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
MySQL [danny1]> show tables;
+-----+
| Tables_in_danny1 |
+-----+
| danny1            |
+-----+
1 row in set (0.002 sec)

MySQL [danny1]> select * from danny1
-> exit;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'exit' at line 2
MySQL [danny1]> select * from danny1;
+----+-----+-----+-----+
| id | name  | cluster | gender |
+----+-----+-----+-----+
| 1  | Sara  | Fox     | Female |
| 2  | Sara  | Fox     | Female |
| 3  | Danielle | Fox    | Female |
| 4  | Safa  | Fox     | Female |
| 5  | Bl    | Fox     | Male   |
| 6  | Soho  | Fox     | Male   |
| 7  | Patrick | Fox    | Male   |
| 8  | Abdulaziz | Fox   | Male   |
| 9  | Andre | Cheetah | Male   |
| 10 | Achilles | Cheetah | Male   |
| 11 | Kady  | Cheetah | Female |
| 12 | Kady  | Cheetah | Female |
| 13 | Abdoulaye | Jaguar | Male   |
| 14 | Odilon | Jaguar | Male   |
| 15 | Narcisse | Jaguar | Male   |
+----+-----+-----+-----+
```