Module 7: Maria DB
Assignment

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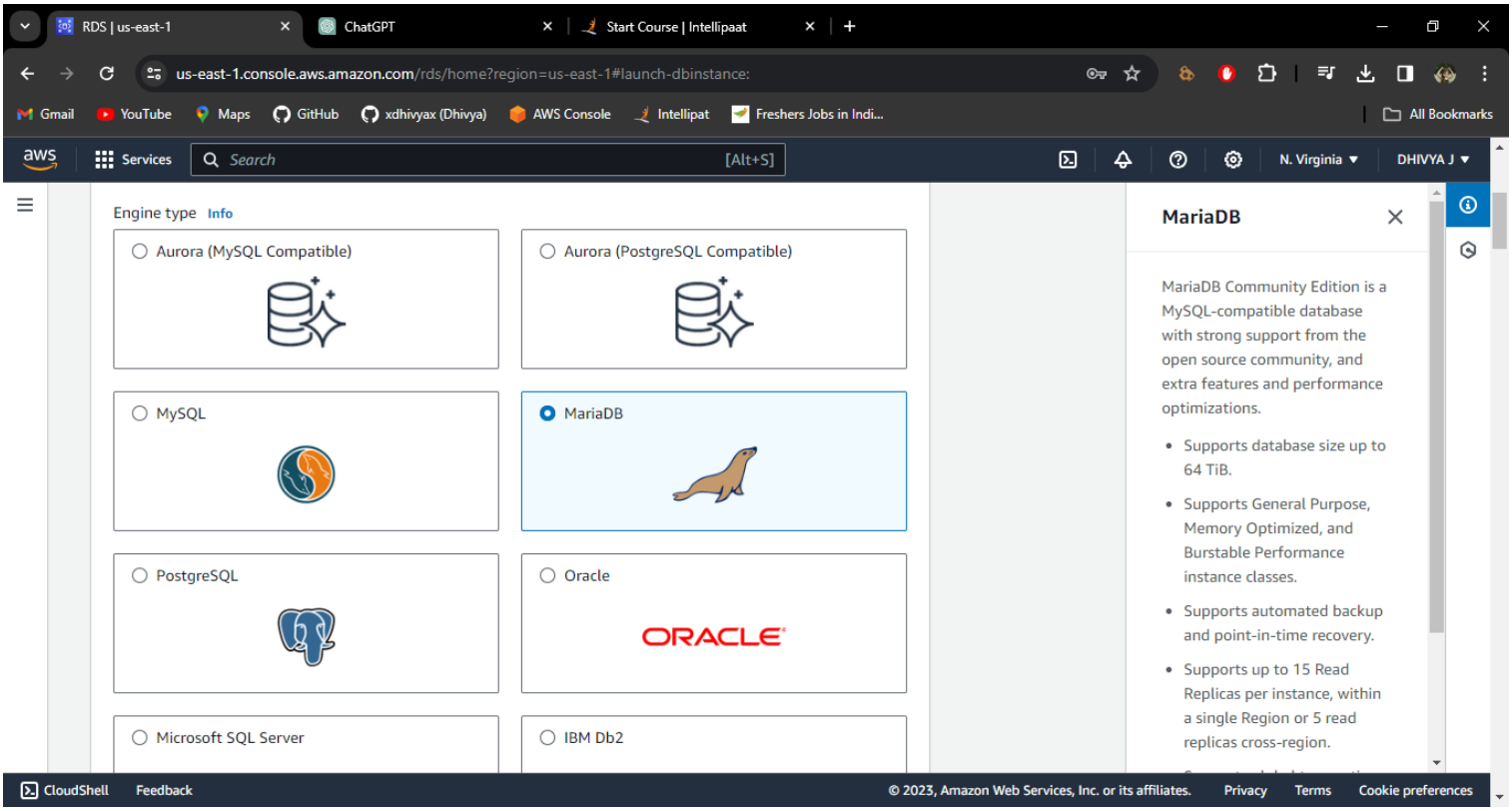
Problem Statement:

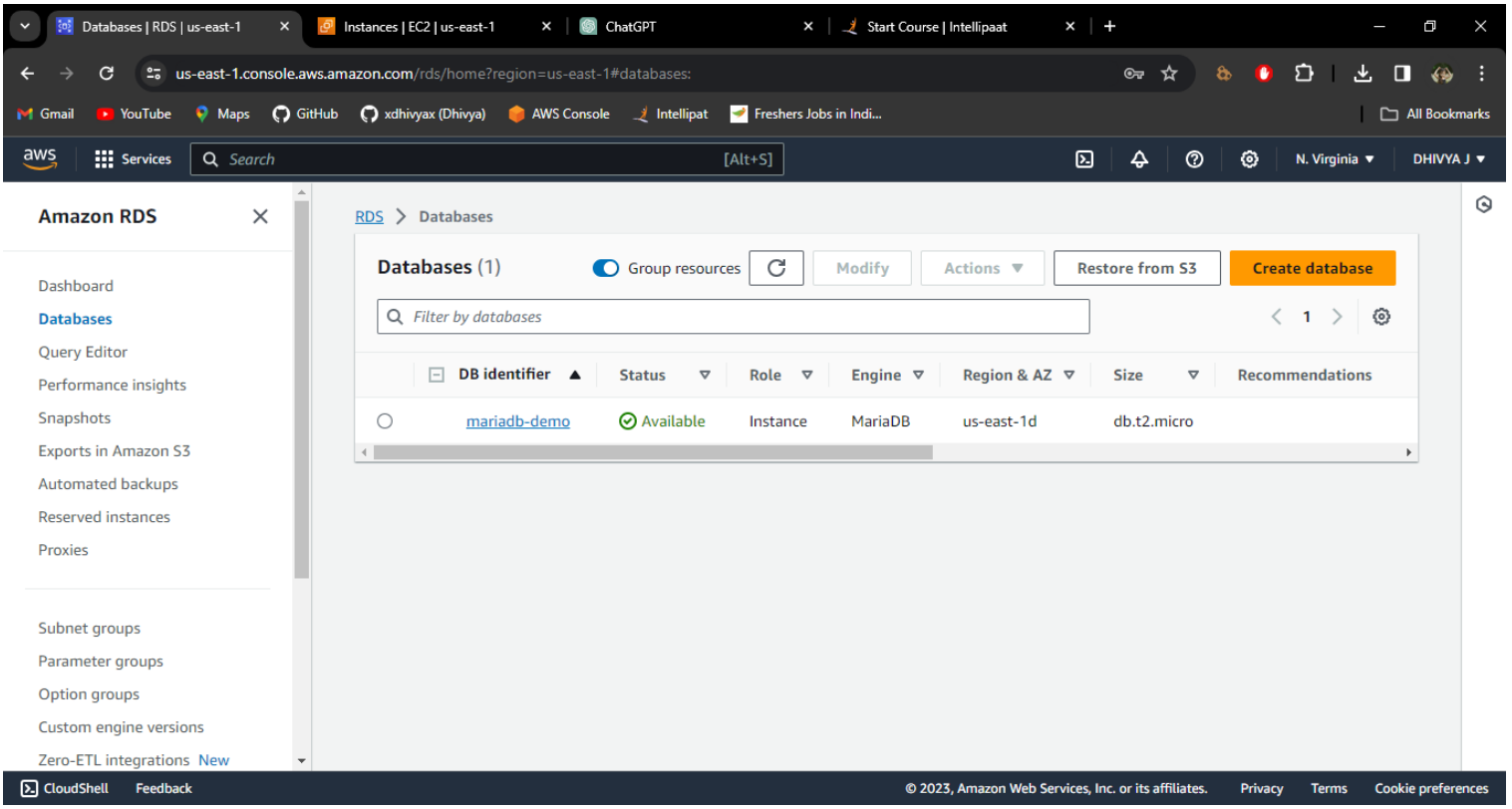
You work for XYZ Corporation. Their application requires a SQL service that can store data which can be retrieved if required. Implement a suitable RDS engine for the same.

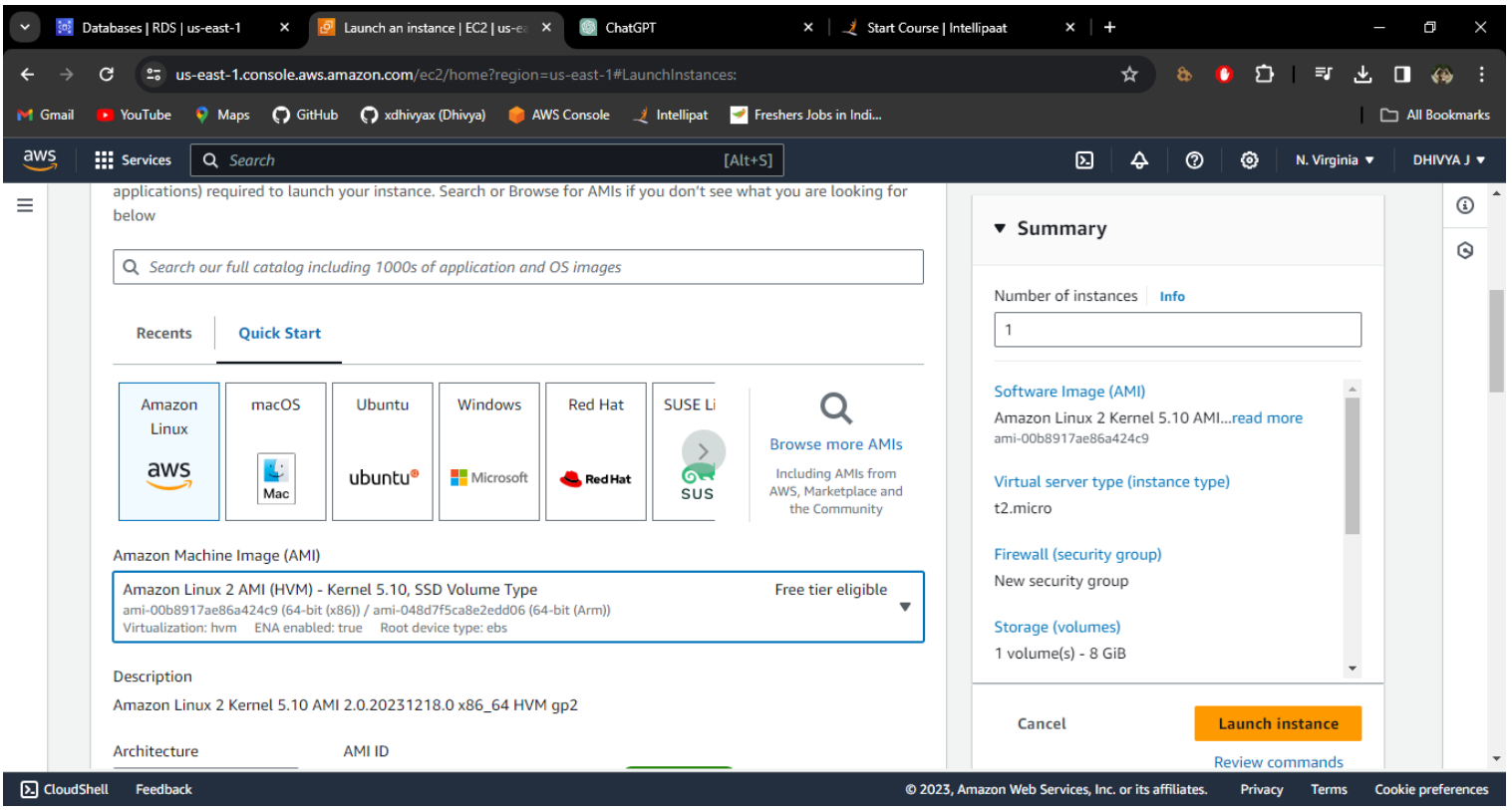
While migrating, you are asked to perform the following tasks:

1. Create a MariaDB Engine based RDS Database.

2. Connect to the DB using the following ways:
    a. SQL Client for Windows
    b. Linux based EC2 Instance







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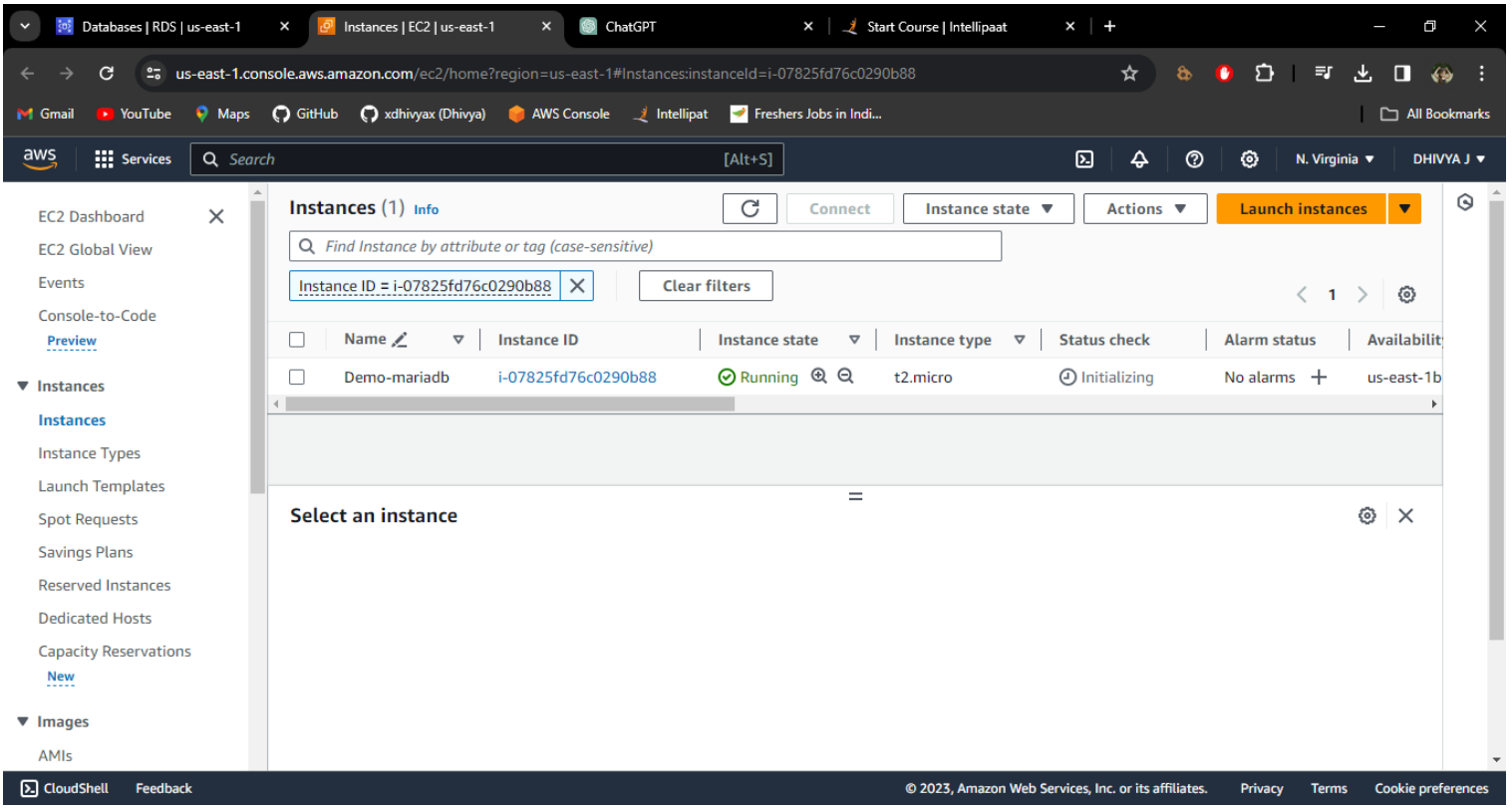

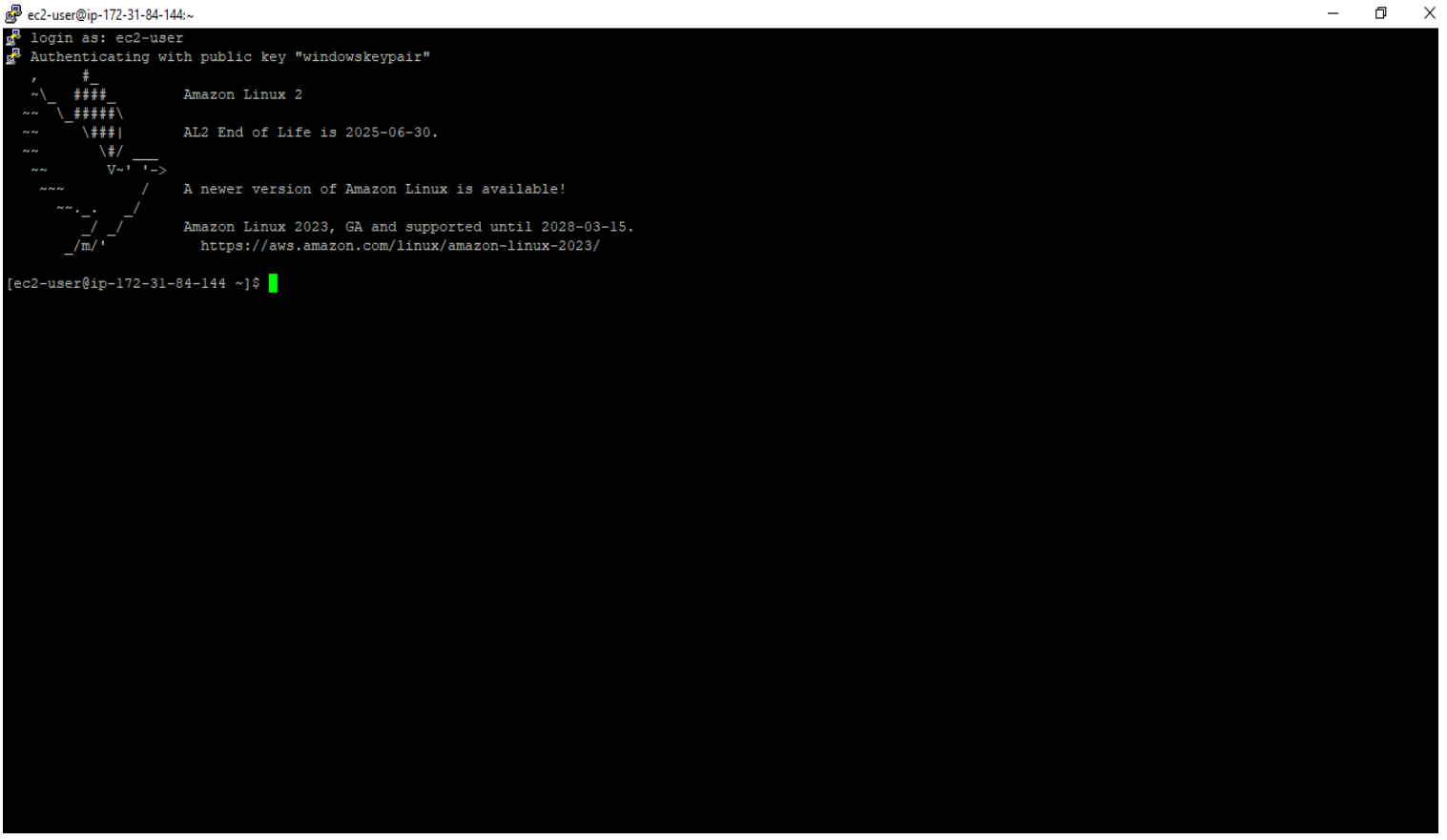

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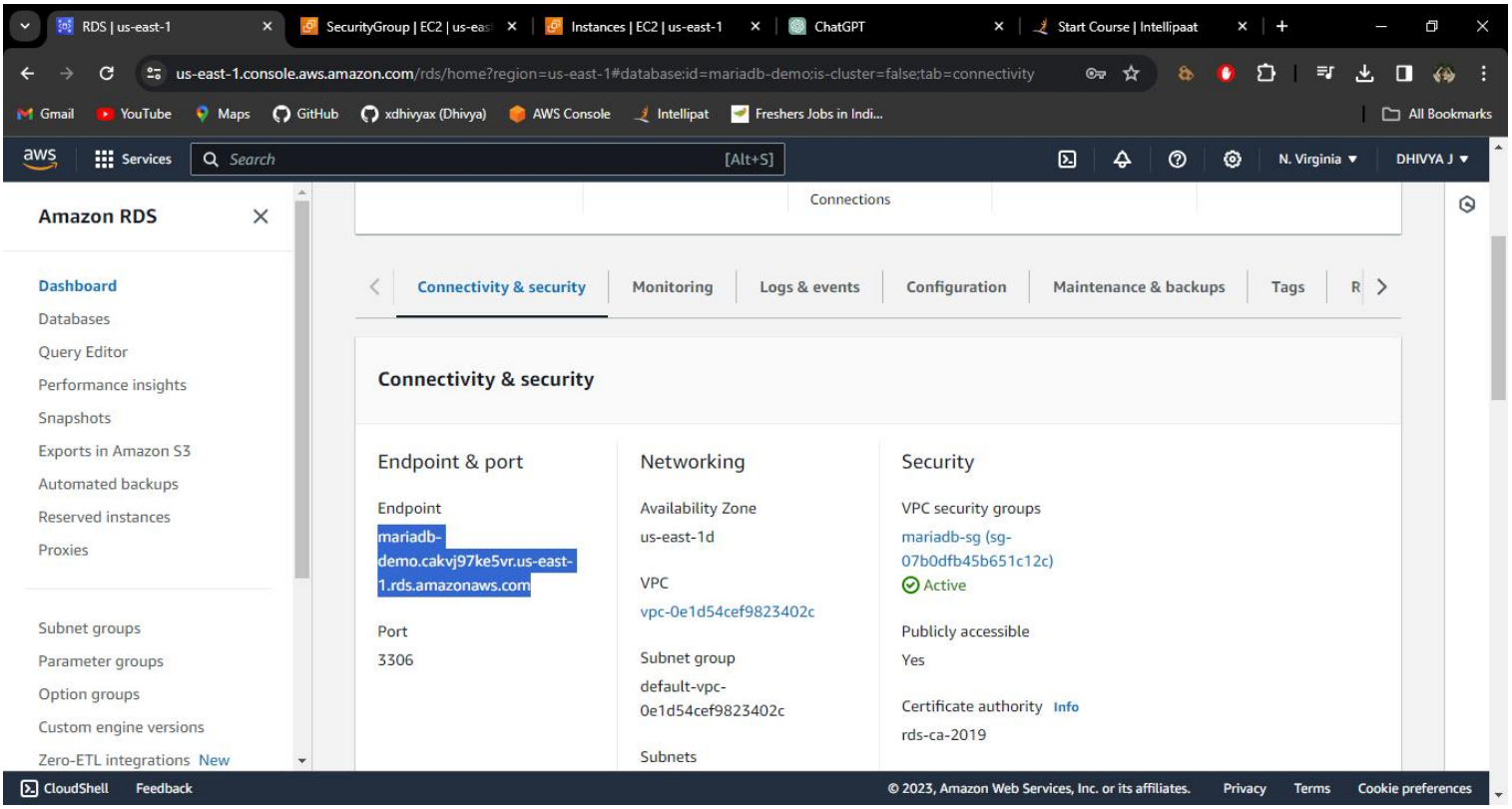

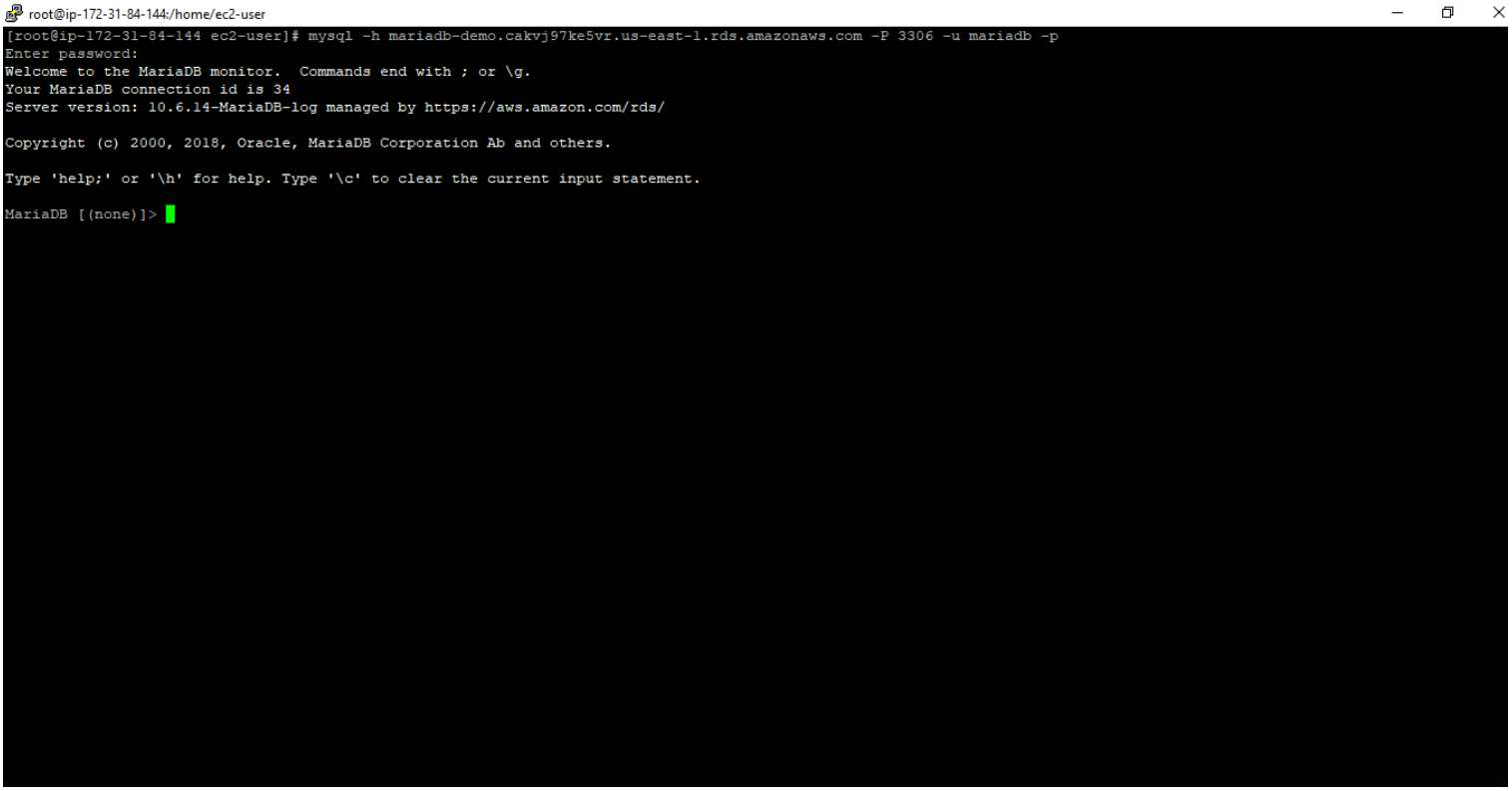

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```
root@ip-172-31-84-144:/home/ec2-user
[root@ip-172-31-84-144 ec2-user]# mysql -h mariadb-demo.cakvj97ke5vr.us-east-1.rds.amazonaws.com -P 3306 -u mariadb -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 34
Server version: 10.6.14-MariaDB-log managed by https://aws.amazon.com/rds/

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

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

MariaDB [(none)]> CREATE Database Books;
Query OK, 1 row affected (0.00 sec)

MariaDB [(none)]> SHOW DATABASES;
+--------------------+
| Database           |
+--------------------+
| Books              |
| information_schema |
| innodb             |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
6 rows in set (0.00 sec)

MariaDB [(none)]> Use Books;
Database changed
MariaDB [Books]>
```

```
root@ip-172-31-84-144:/home/ec2-user
| innodb             |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
6 rows in set (0.00 sec)

MariaDB [(none)]> Use Books;
Database changed
MariaDB [Books]> CREATE TABLE IF NOT EXISTS Books (
    ->     book_id INT AUTO_INCREMENT,
    ->     title VARCHAR(50) NOT NULL,
    ->     author VARCHAR(50),
    ->     publish_date DATE,
    ->     description VARCHAR(100),
    -> PRIMARY KEY (book_id)
    -> );
Query OK, 0 rows affected (0.01 sec)

MariaDB [Books]> clear
MariaDB [Books]> INSERT INTO Books(title,author) VALUES
    ->     ('Learn from AWS' , 'John Smith'),
    -> ('MY SQL book' , 'John Mary'),
    -> ('Dummies for Oracle' , 'Robin Smith');
Query OK, 3 rows affected (0.00 sec)
Records: 3  Duplicates: 0  Warnings: 0

MariaDB [Books]>
MariaDB [Books]>
MariaDB [Books]>
MariaDB [Books]>
MariaDB [Books]>
MariaDB [Books]>
MariaDB [Books]> Select * from Books;
+---------+-------------------+-------------+--------------+-------------+
| book_id | title             | author      | publish_date | description |
+---------+-------------------+-------------+--------------+-------------+
|       1 | Learn from AWS    | John Smith  | NULL         | NULL        |
|       2 | MY SQL book       | John Mary   | NULL         | NULL        |
|       3 | Dummies for Oracle | Robin Smith | NULL         | NULL        |
+---------+-------------------+-------------+--------------+-------------+
3 rows in set (0.00 sec)
```

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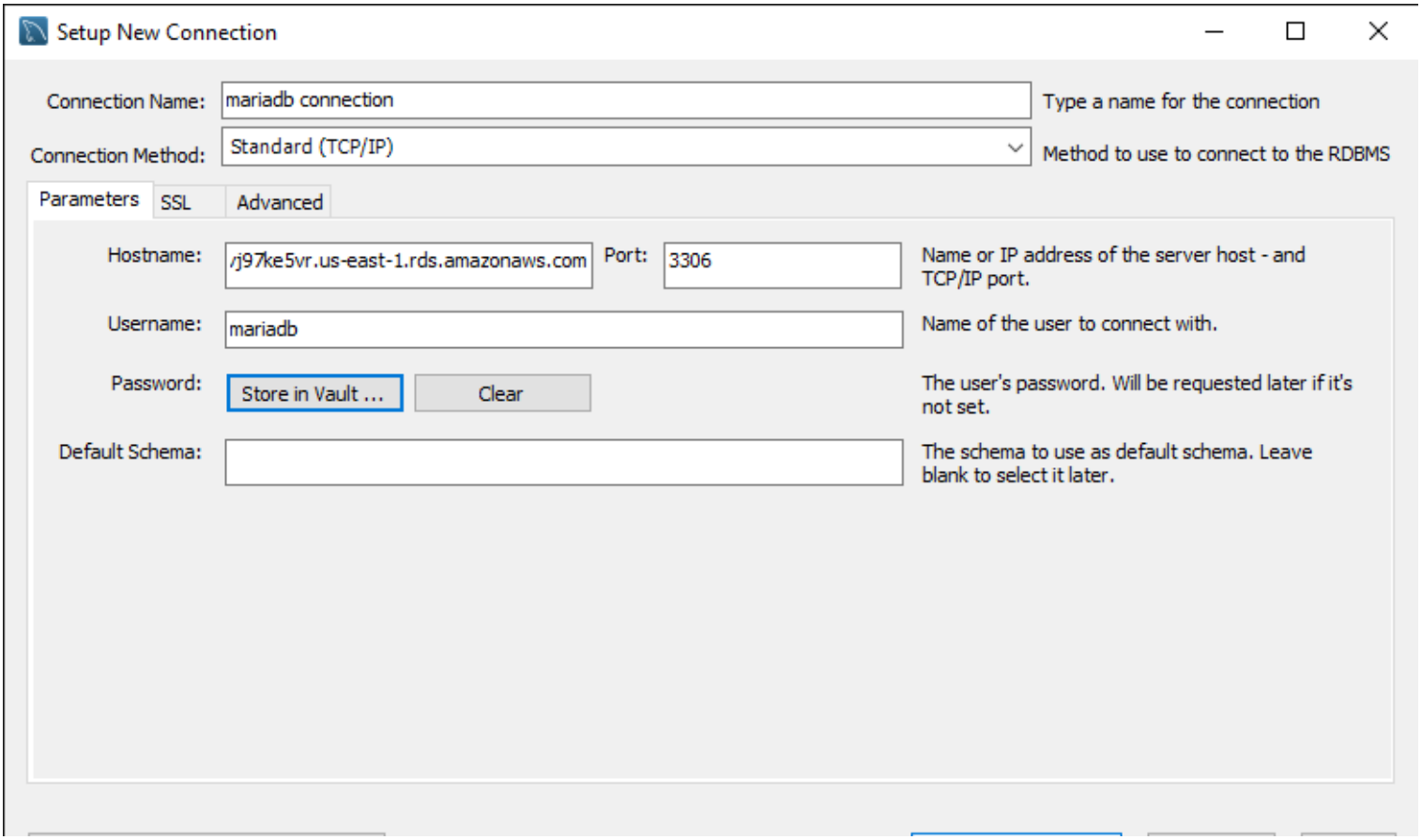

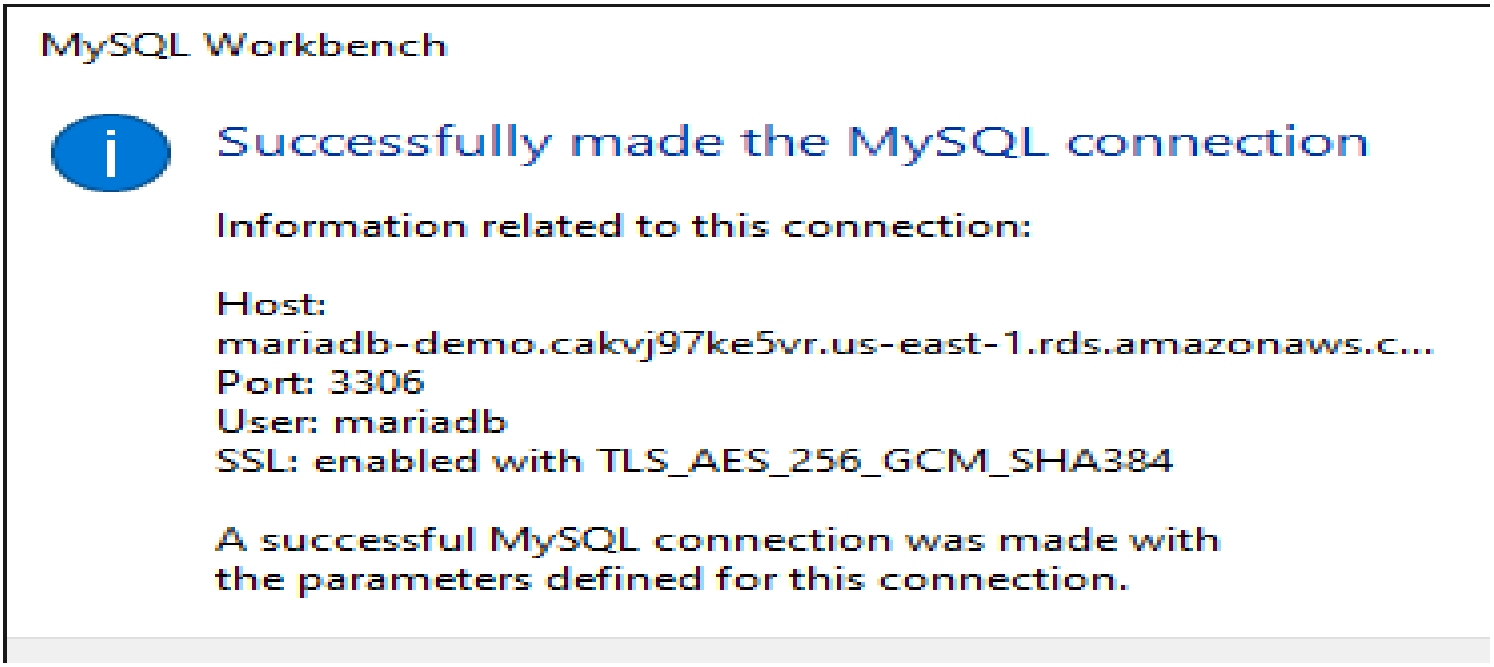

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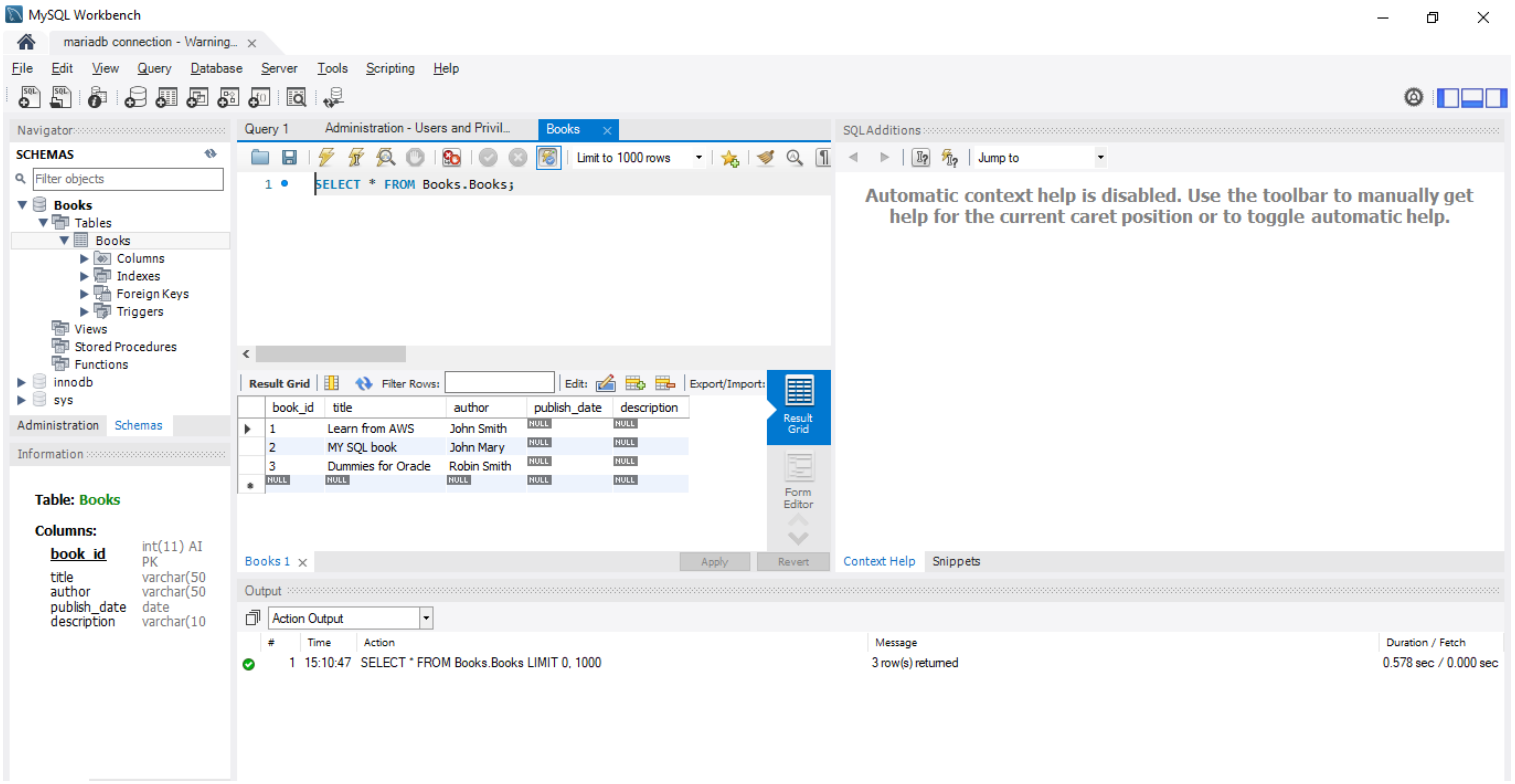

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