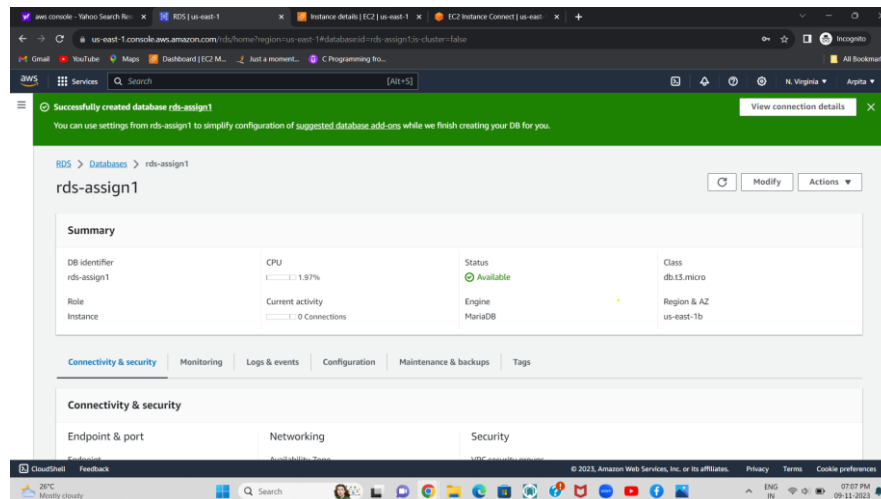


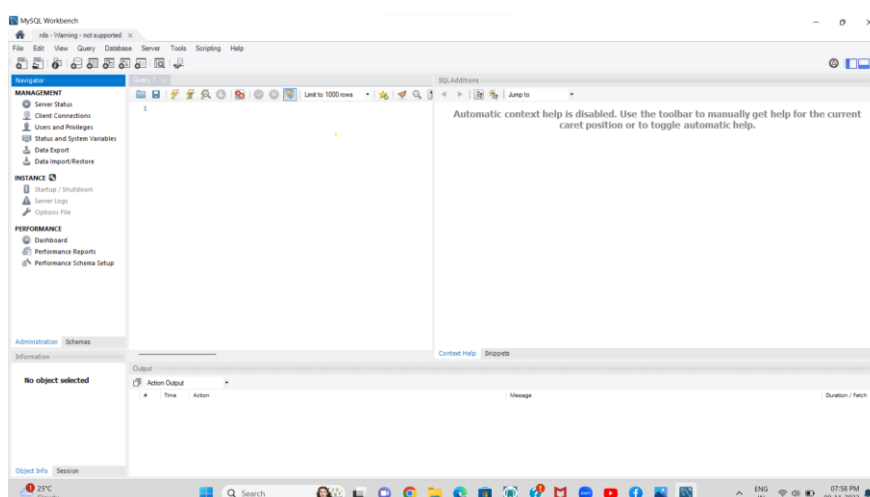
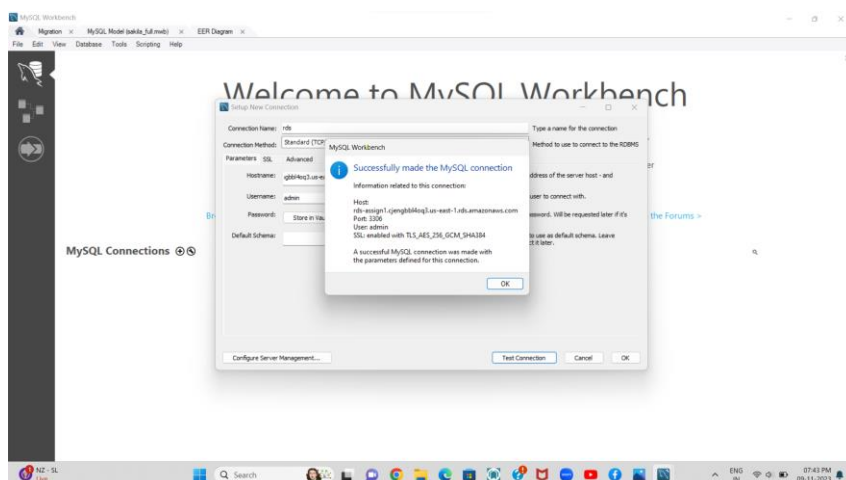
**Assignment-1** You work for XYZ Corporation. Their application requires a SQL service that can store data which can be retrieved if required. Implement a suitable RDS engine for the same

## 1. Create a MariaDB Engine based RDS Databases



## 2. Connect to the DB using the following ways:

### a. SQL Client for Windows



## b. Linux based EC2 Instances

```
aws console - Yahoo Search Re... x RD5 | us-east-1 x Instance details | EC2 | us-east-1 x EC2 Instance Connect | us-east-1 x +
us-east-1.console.aws.amazon.com/ec2-instance-connect/shh?connType=standard&instanceId=i-0f9b4240287d59c9d&sshUser=ec2-user&region=us-east-1&sshPort=22#/
Gmail YouTube Maps Dashboard | EC2 M... Just a moment... C Programming Ro...
AWS Services Search [Alt+S] N. Virginia Arpit
Amazon Linux 2023
https://aws.amazon.com/linux/amazon-linux-2023/
[ec2-user@ip-172-31-47-20 ~]$ sudo dnf install mariadb-server
Last metadata expiration check: 610145 ago on Thu Nov 9 13:30:52 2023.
No match for argument: mariadb-server
Error: Unable to find a match: mariadb-server
[ec2-user@ip-172-31-47-20 ~]$ sudo dnf install mariadb105-server
Last metadata expiration check: 610239 ago on Thu Nov 9 13:30:52 2023.
Dependencies resolved.
Package Architecture Version Repository Size
Installing:
mariadb105-server x86_64 3:10.5.20-1.amzn2023.0.1 amazonlinux 11 M
Installing dependencies:
mariadb-connector-c x86_64 3.1.13-1.amzn2023.0.3 amazonlinux 196 k
mariadb-connector-c-config x86_64 3.1.13-1.amzn2023.0.3 amazonlinux 9.2 k
mariadb105 x86_64 3:10.5.20-1.amzn2023.0.1 amazonlinux 1.6 M
i-0f9b4240287d59c9d (rds-ec2-server)
PublicPis: 3.88.242.36 PrivatePis: 172.31.47.20
CloudShell Feedback
© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
28°C Mostly cloudy 07:05 PM 09-11-2023
```

```
aws console - Yahoo Search Re... x RD5 | us-east-1 x Instance details | EC2 | us-east-1 x EC2 Instance Connect | us-east-1 x +
us-east-1.console.aws.amazon.com/ec2-instance-connect/shh?connType=standard&instanceId=i-0f9b4240287d59c9d&sshUser=ec2-user&region=us-east-1&sshPort=22#/
Gmail YouTube Maps Dashboard | EC2 M... Just a moment... C Programming Ro...
AWS Services Search [Alt+S] N. Virginia Arpit
mariadb-connector-c-3.1.13-1.amzn2023.0.3.x86_64 mariadb-connector-c-config-3.1.13-1.amzn2023.0.3.noarch
mariadb105-3:10.5.20-1.amzn2023.0.1.x86_64 mariadb105-backup-3:10.5.20-1.amzn2023.0.1.x86_64
mariadb105-common-3:10.5.20-1.amzn2023.0.1.x86_64 mariadb105-cracklib-password-check-3:10.5.20-1.amzn2023.0.1.x86_64
mariadb105-errmsg-3:10.5.20-1.amzn2023.0.1.x86_64 mariadb105-gssapi-server-3:10.5.20-1.amzn2023.0.1.x86_64
mariadb105-server-3:10.5.20-1.amzn2023.0.1.x86_64 mariadb105-server-utils-3:10.5.20-1.amzn2023.0.1.x86_64
mysql-ndb105-1.0.4-2.amzn2023.0.3.noarch perl-B-1.80-477.amzn2023.0.5.x86_64
perl-DBD-MariaDB-1.22-1.amzn2023.0.4.x86_64 perl-DBI-1.643-7.amzn2023.0.3.x86_64
perl-Data-Dumper-2.174-460.amzn2023.0.2.x86_64 perl-File-Copy-2.34-477.amzn2023.0.5.noarch
perl-FileHandle-2.03-477.amzn2023.0.5.noarch perl-Math-BigInt-1.11.9998-18-486.amzn2023.0.2.noarch
perl-Math-Complex-1.59-477.amzn2023.0.5.noarch perl-Sys-Hostname-1.23-477.amzn2023.0.5.x86_64
perl-base-2.27-477.amzn2023.0.5.noarch
Complete!
[ec2-user@ip-172-31-47-20 ~]$
[ec2-user@ip-172-31-47-20 ~]$
[ec2-user@ip-172-31-47-20 ~]$ sudo mysql -h rds-assign1.cjengb14oq3.us-east-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 74
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)]>
i-0f9b4240287d59c9d (rds-ec2-server)
PublicPis: 3.88.242.36 PrivatePis: 172.31.47.20
CloudShell Feedback
© 2023, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences
28°C Mostly cloudy 07:06 PM 09-11-2023
```

```
aws console - Yahoo Search Re... x RD5 | us-east-1 x Instance details | EC2 | us-east-1 x EC2 Instance Connect | us-east-1 x +
us-east-1.console.aws.amazon.com/ec2-instance-connect/shh?connType=standard&instanceId=i-0f9b4240287d59c9d&sshUser=ec2-user&region=us-east-1&sshPort=22#/
Gmail YouTube Maps Dashboard | EC2 M... Just a moment... C Programming Ro...
AWS Services Search [Alt+S] N. Virginia Arpit
[ec2-user@ip-172-31-47-20 ~]$
[ec2-user@ip-172-31-47-20 ~]$
[ec2-user@ip-172-31-47-20 ~]$ sudo mysql -h rds-assign1.cjengb14oq3.us-east-1.rds.amazonaws.com -u admin -p
Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 74
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)]> show databases;
+-----+
| Database |
+-----+
| information_schema |
| innodb |
| mysql |
| performance_schema |
| rdsdb |
| sys |
+-----+
6 rows in set (0.002 sec)
MariaDB [(none)]>
i-0f9b4240287d59c9d (rds-ec2-server)
PublicPis: 3.88.242.36 PrivatePis: 172.31.47.20
CloudShell Feedback
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28°C Mostly cloudy 07:08 PM 09-11-2023
```