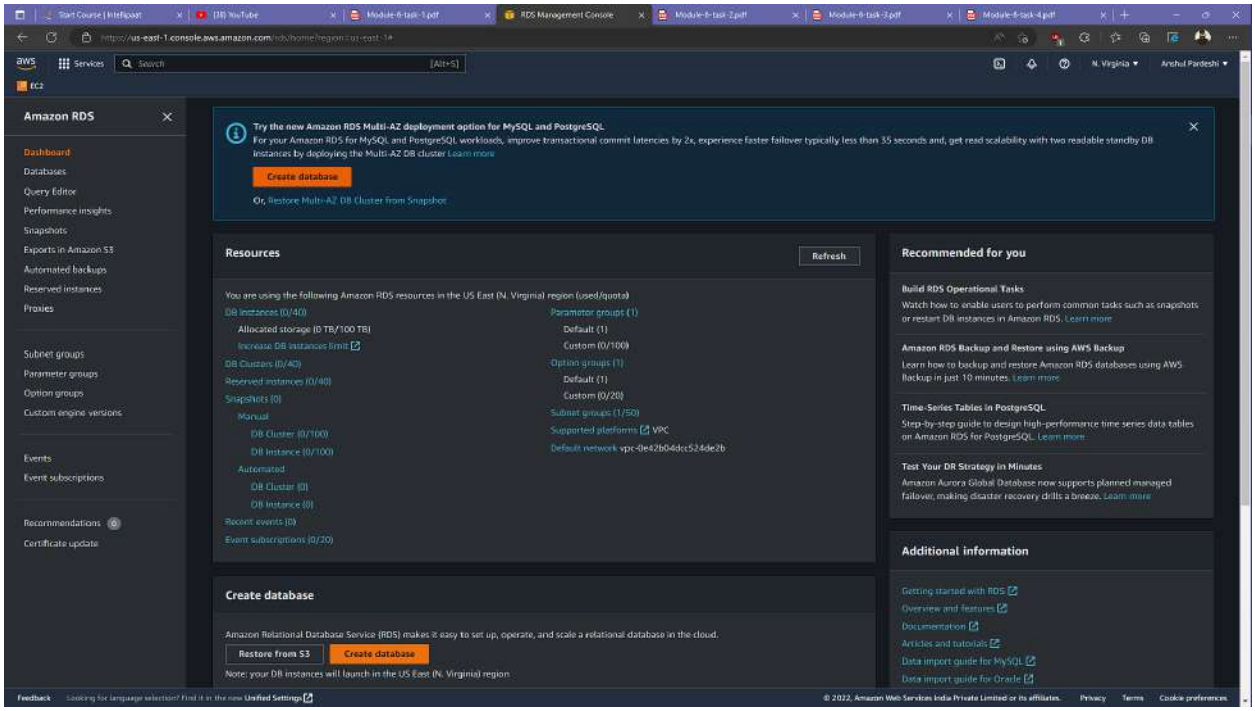
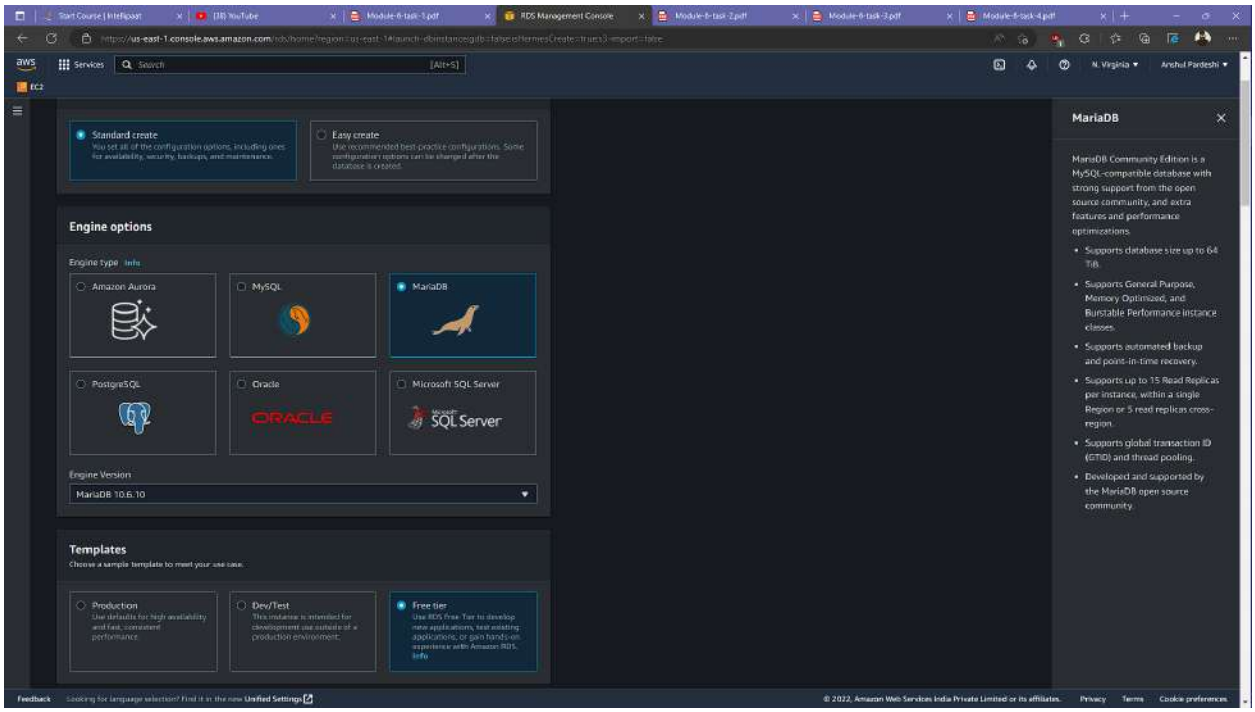
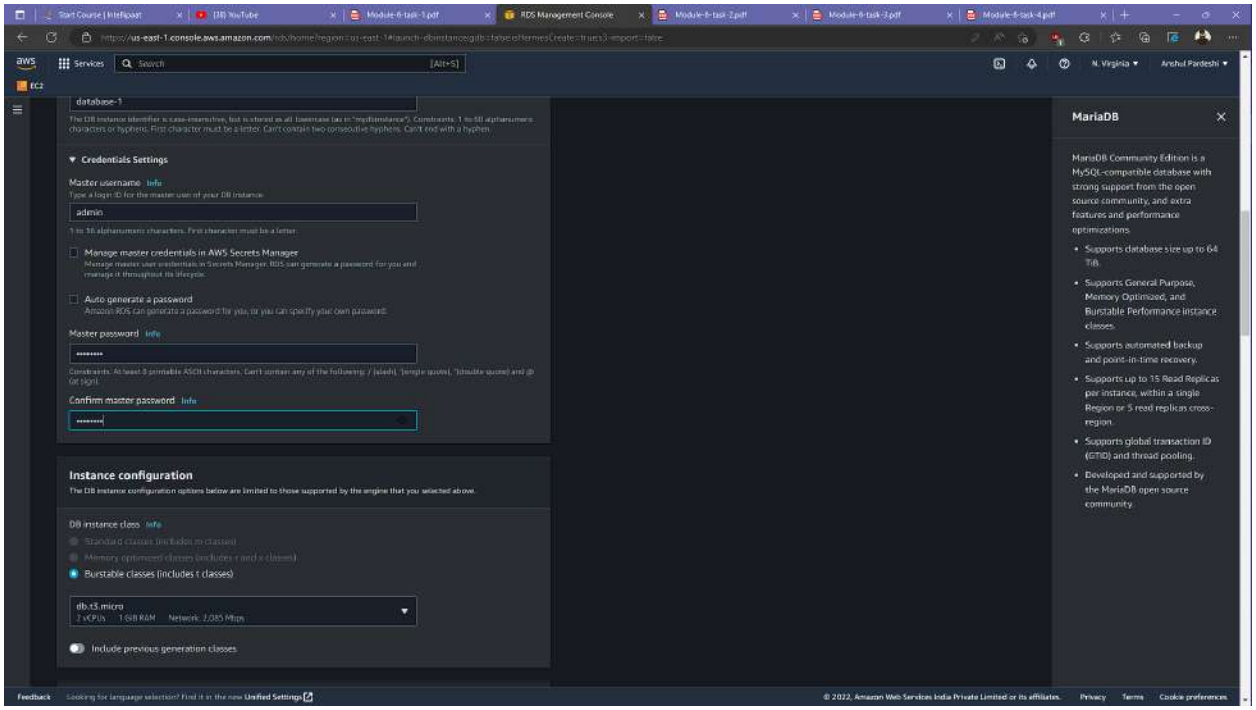
Module 6: Database Services Assignment - 1

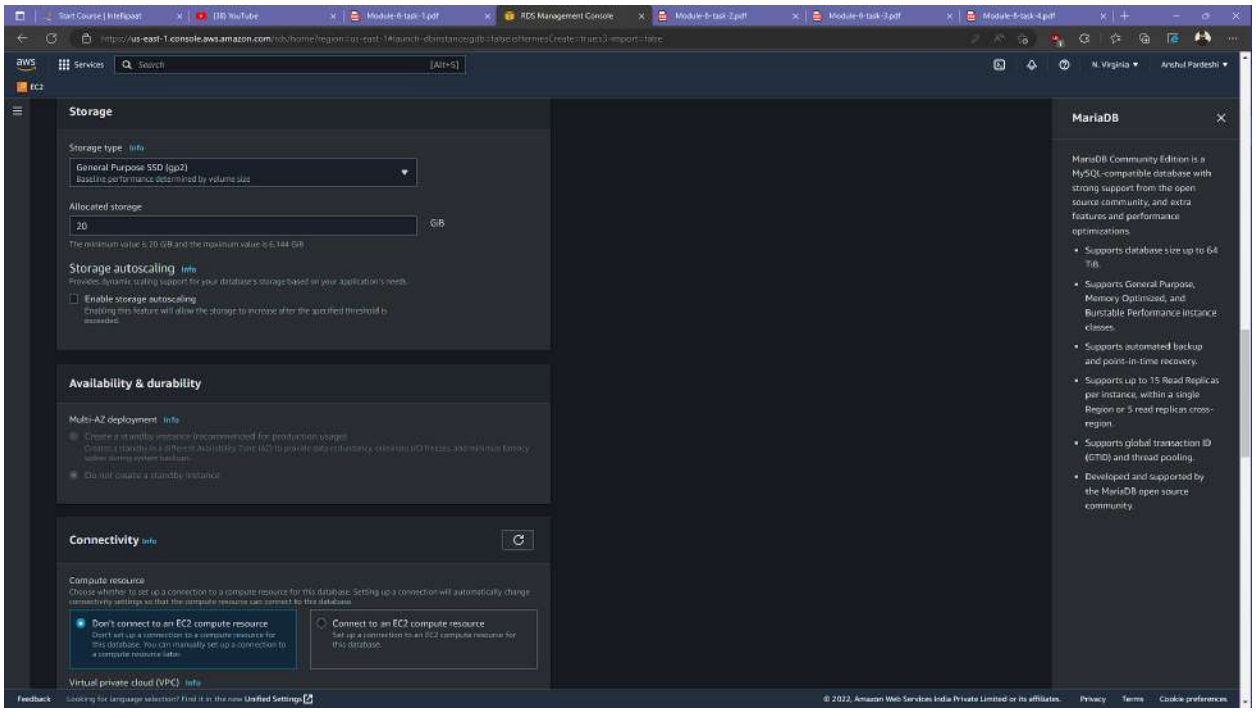
You have been asked to:

1. Create an RDS MariaDB database
2. Login into the DB from your P






database-1
Credentials Settings
Master username Info
admin
Manage master credentials in AWS Secrets Manager
Auto generate a password
Master password Info
Confirm master password Info
Instance configuration
DB instance class Info
Burstable classes (includes t classes)
db.t3.micro
Include previous generation classes
MariaDB
MariaDB Community Edition is a MySQL-compatible database with strong support from the open source community, and extra features and performance optimizations.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
Supports global transaction ID (GTID) and thread pooling.
Developed and supported by the MariaDB open source community.


Storage
Storage type Info
General Purpose SSD (gp2)
Allocated storage
20
GiB
Storage autoscaling Info
Enable storage autoscaling
Availability & durability
Multi-AZ deployment Info
Connectivity Info
Compute resource
Don't connect to an EC2 compute resource
Connect to an EC2 compute resource
Virtual private cloud (VPC) Info
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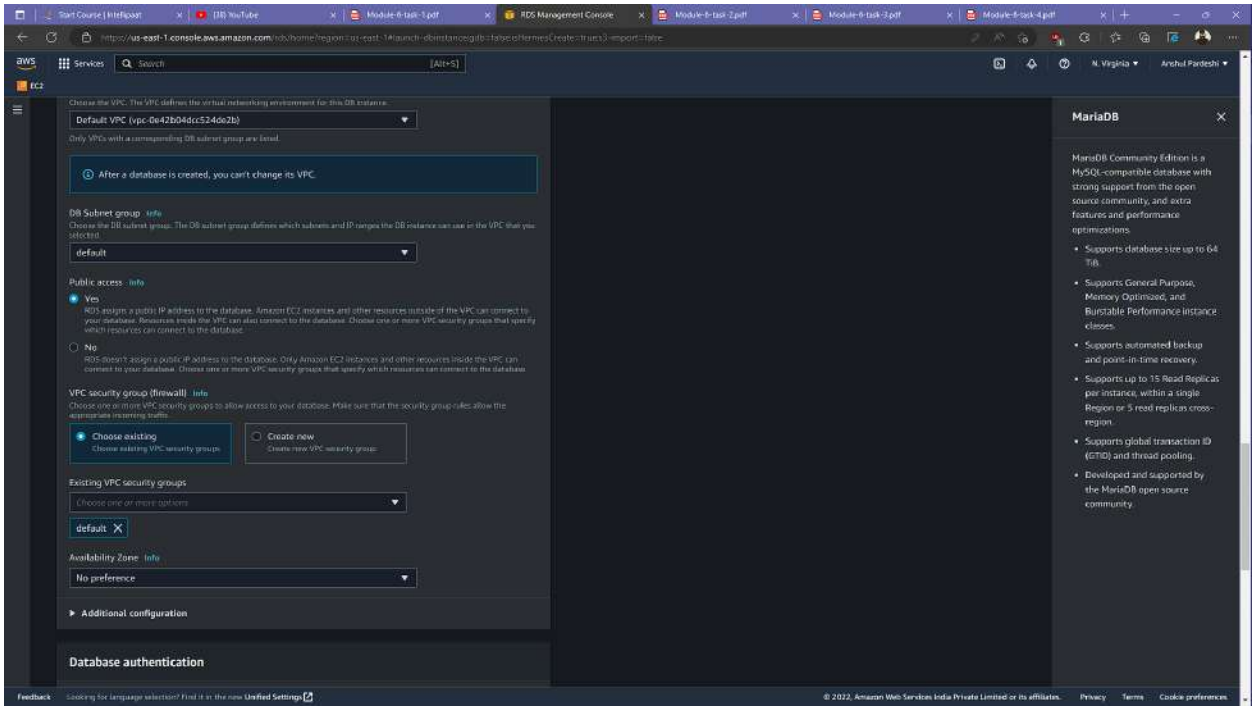
Default VPC (vpc-0e42b04dcc524de2b)
After a database is created, you can't change its VPC.
default
No preference
Additional configuration
Database authentication
MariaDB
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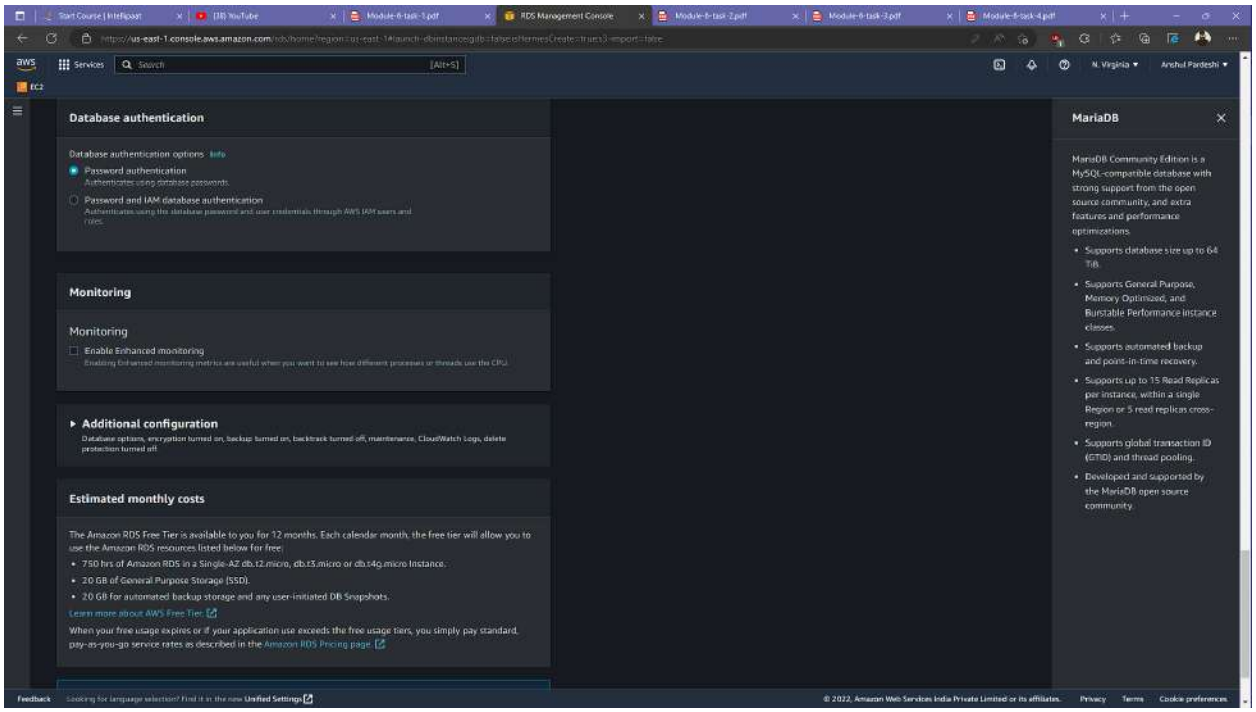
Database authentication
Password authentication
Authenticates using database passwords.
Password and IAM database authentication
Monitoring
Enable Enhanced monitoring
Additional configuration
Estimated monthly costs
The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:
750 hrs of Amazon RDS in a Single-AZ db.t2.micro, db.t3.micro or db.t4g.micro Instance.
20 GB of General Purpose Storage (SSD).
20 GB for automated backup storage and any user-initiated DB Snapshots.
Learn more about AWS Free Tier.
When your free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, pay-as-you-go service rates as described in the Amazon RDS Pricing page.
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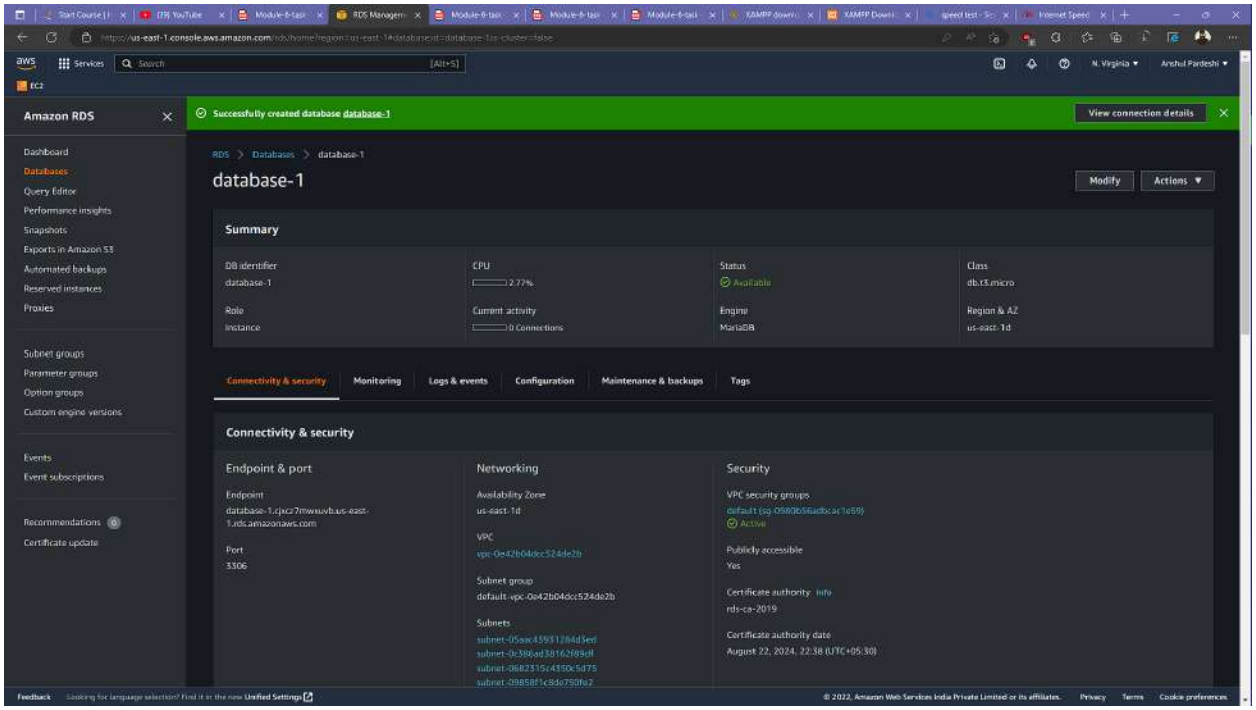
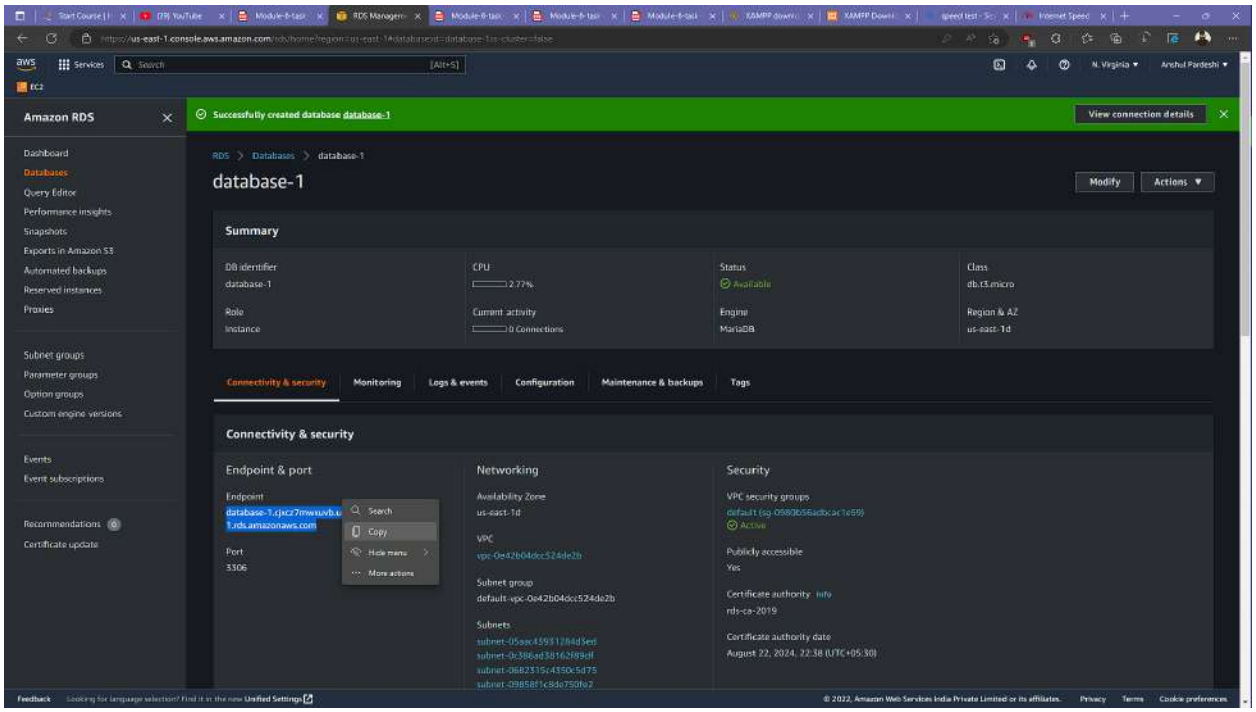

Amazon RDS
Successfully created database database-1
View connection details
RDS > Databases > database-1
database-1
Modify
Actions
Summary
DB identifier
database-1
CPU
2.77%
Status
Available
Class
db.t3.micro
Role
Instance
Current activity
0 Connections
Engine
MariaDB
Region & AZ
us-east-1d
Connectivity & security
Monitoring
Logs & events
Configuration
Maintenance & backups
Tags
Connectivity & security
Endpoint & port
Endpoint
database-1.cjxcz7mwxuvb.us-east-1.rds.amazonaws.com
Port
3306
Networking
Availability Zone
us-east-1d
VPC
vpc-0e42b04dcc524de2b
Subnet group
default-vpc-0e42b04dcc524de2b
Subnets
subnet-05aac45931284d5ed
subnet-0c386ad38162f89df
subnet-0682315c4350c5d75
subnet-09858f1c8da750fe2
Security
VPC security groups
default (sg-0580b56adbcac1e59)
Active
Publicly accessible
Yes
Certificate authority info
rds-ca-2019
Certificate authority date
August 22, 2024, 22:38 (UTC+05:30)


Amazon RDS
Successfully created database database-1
View connection details
RDS > Databases > database-1
database-1
Modify
Actions
Summary
DB identifier
database-1
CPU
2.77%
Status
Available
Class
db.t3.micro
Role
Instance
Current activity
0 Connections
Engine
MariaDB
Region & AZ
us-east-1d
Connectivity & security
Monitoring
Logs & events
Configuration
Maintenance & backups
Tags
Connectivity & security
Endpoint & port
Endpoint
database-1.cjxcz7mwxuvb.us-east-1.rds.amazonaws.com
Search
Copy
Hide menu
More actions
Port
3306
Networking
Availability Zone
us-east-1d
VPC
vpc-0e42b04dcc524de2b
Subnet group
default-vpc-0e42b04dcc524de2b
Subnets
subnet-05aac45931284d5ed
subnet-0c386ad38162f89df
subnet-0682315c4350c5d75
subnet-09858f1c8da750fe2
Security
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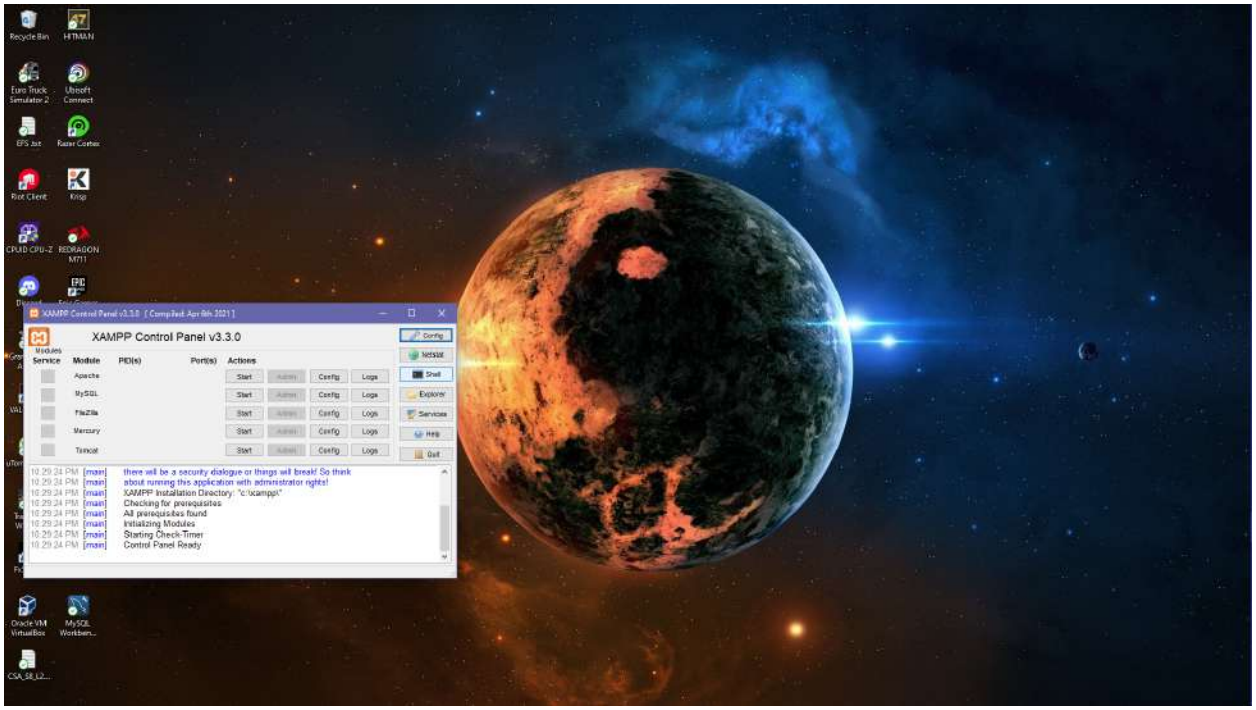
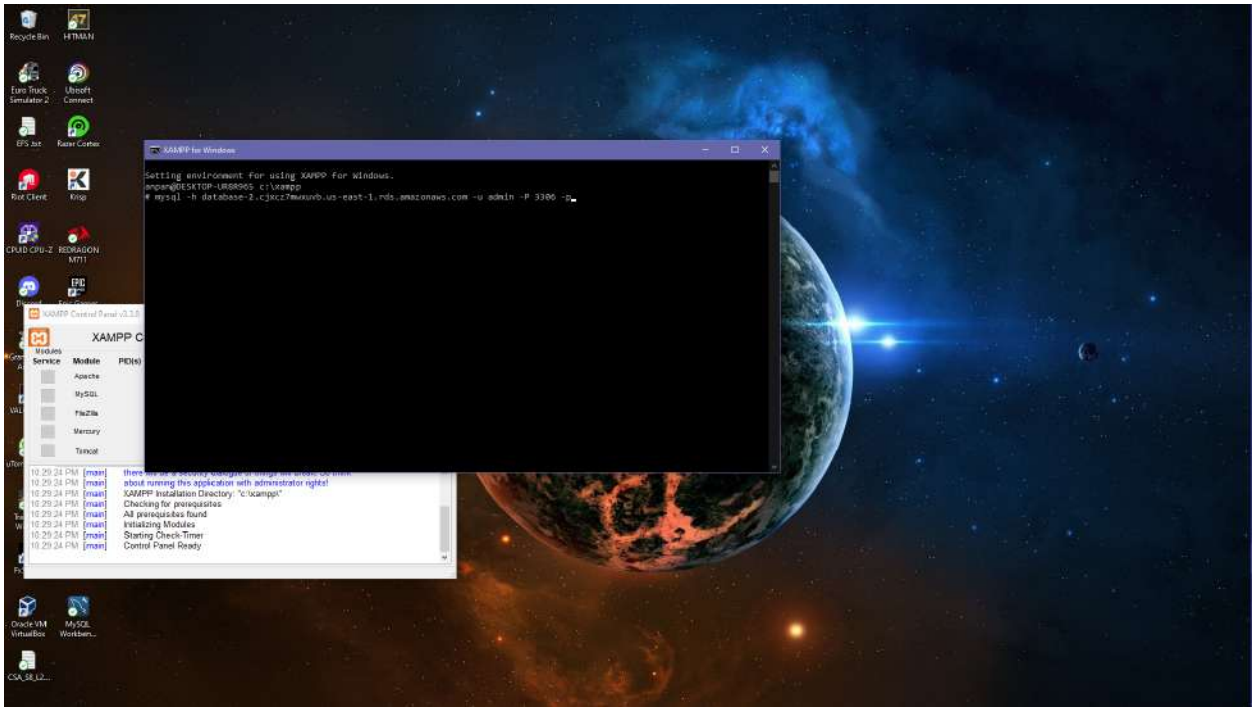
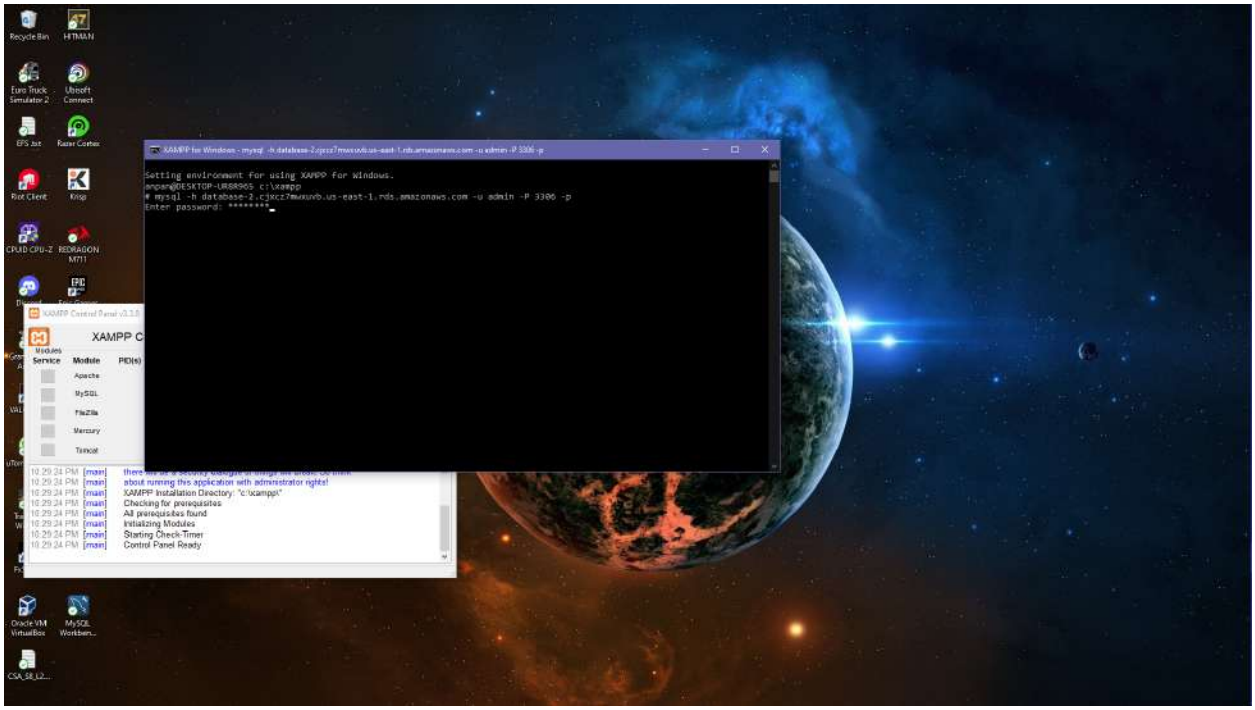
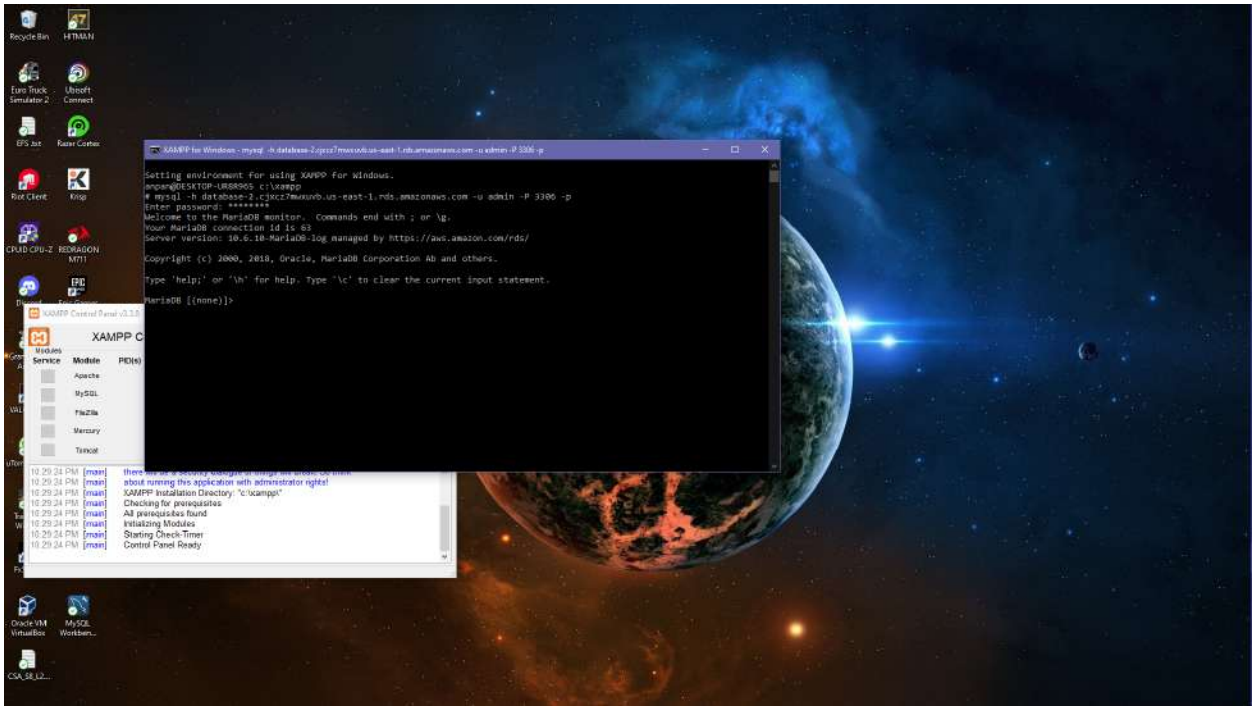
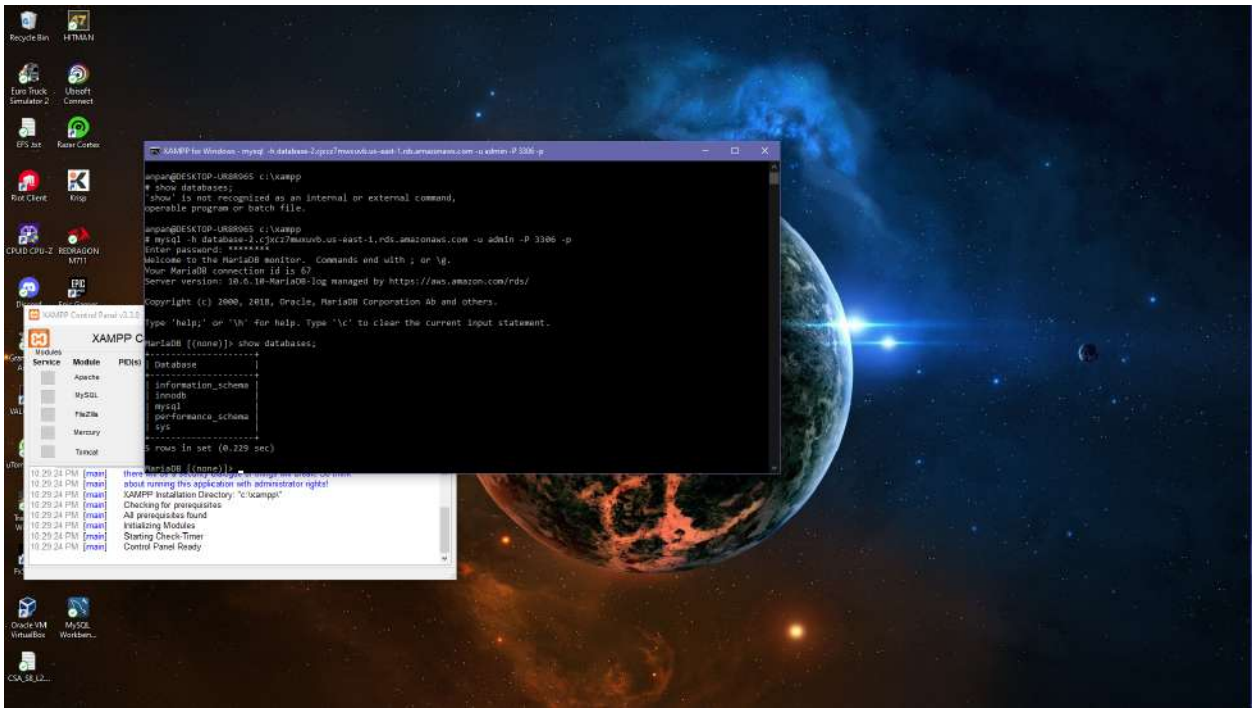

XAMPP Control Panel v3.3.0
Service
Module
PID(s)
Port(s)
Actions
Apache
MySQL
FileZilla
Mercury
Tomcat
Start
Admin
Config
Logs
Config
Netstat
Shell
Explorer
Services
Help
Quit
there will be a security dialogue or things will break! So think
about running this application with administrator rights!
XAMPP Installation Directory: "c:\xampp\"
Checking for prerequisites
All prerequisites found
Initializing Modules
Starting Check-Timer
Control Panel Ready


XAMPP for Windows
Setting environment for using XAMPP for Windows.
anpan@DESKTOP-UR8R965 c:\xampp
mysql -h database-2.cjxcz7mwxunb.us-east-1.rds.amazonaws.com -u admin -P 3306 -p
XAMPP Control Panel v3.3.0
Service
Module
PID(s)
Apache
MySQL
FileZilla
Mercury
Tomcat
about running this application with administrator rights!
XAMPP Installation Directory: "c:\xampp\"
Checking for prerequisites
All prerequisites found
Initializing Modules
Starting Check-Timer
Control Panel Ready


Setting environment for using XAMPP for Windows.
anpan@DESKTOP-UR8R965 c:\xampp
mysql -h database-2.cjxcz7mwxuvb.us-east-1.rds.amazonaws.com -u admin -P 3306 -p
Enter password: *******
XAMPP Control Panel v3.3.0
Modules
Service
Module
PID(s)
Apache
MySQL
FileZilla
Mercury
Tomcat
10:29:24 PM [main] about running this application with administrator rights!
10:29:24 PM [main] XAMPP Installation Directory: "c:\xampp\"
10:29:24 PM [main] Checking for prerequisites
10:29:24 PM [main] All prerequisites found
10:29:24 PM [main] Initializing Modules
10:29:24 PM [main] Starting Check-Timer
10:29:24 PM [main] Control Panel Ready


Setting environment for using XAMPP for Windows.
anpan@DESKTOP-UR8R9G5 c:\xampp
mysql -h database-2.cjxcz7mwuuv0.us-east-1.rds.amazonaws.com -u admin -P 3306 -p
Enter password: ********
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 63
Server version: 10.6.10-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)]>


anpan@DESKTOP-UR8R9G5 c:\xampp
show databases;
'show' is not recognized as an internal or external command,
operable program or batch file.
anpan@DESKTOP-UR8R9G5 c:\xampp
mysql -h database-2.cjxcz7mwuuv0.us-east-1.rds.amazonaws.com -u admin -P 3306 -p
Enter password: ********
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 67
Server version: 10.6.10-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 |
| sys |
5 rows in set (0.229 sec)
MariaDB [(none)]>