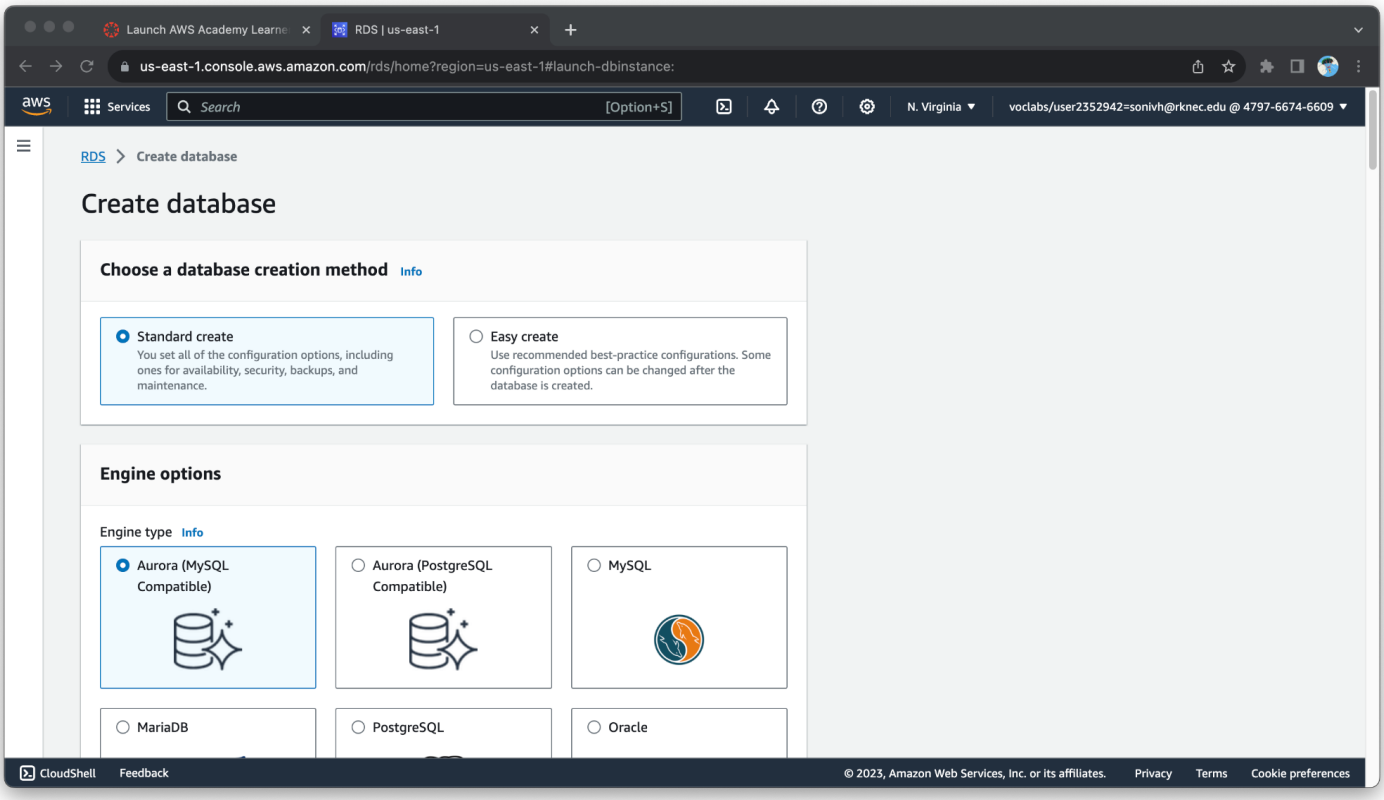
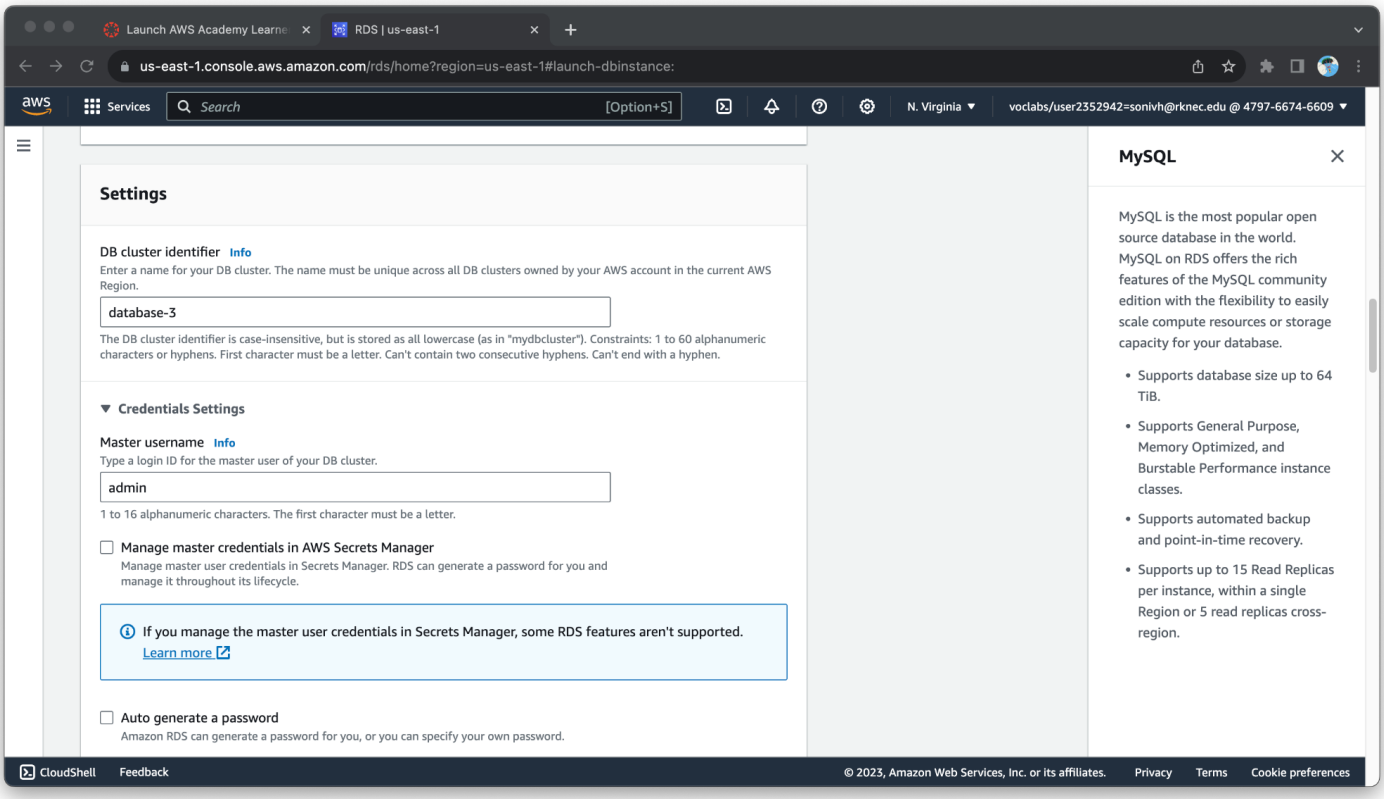
CLOUD COMPUTING LAB 5

Aim : Demonstrate the working of Database

Create the RDB instance using MySQL




Launch AWS Academy Learne
RDS | us-east-1
us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:
Services
Search
[Option+S]
N. Virginia
voclabs/user2352942=sonivh@rknec.edu @ 4797-6674-6609
Settings
DB cluster identifier Info
Enter a name for your DB cluster. The name must be unique across all DB clusters owned by your AWS account in the current AWS Region.
database-3
The DB cluster identifier is case-insensitive, but is stored as all lowercase (as in "mydbcluster"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.
Credentials Settings
Master username Info
Type a login ID for the master user of your DB cluster.
admin
1 to 16 alphanumeric characters. The first character must be a letter.
Manage master credentials in AWS Secrets Manager
Manage master user credentials in Secrets Manager. RDS can generate a password for you and manage it throughout its lifecycle.
If you manage the master user credentials in Secrets Manager, some RDS features aren't supported.
Learn more
Auto generate a password
Amazon RDS can generate a password for you, or you can specify your own password.
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
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.
CloudShell
Feedback
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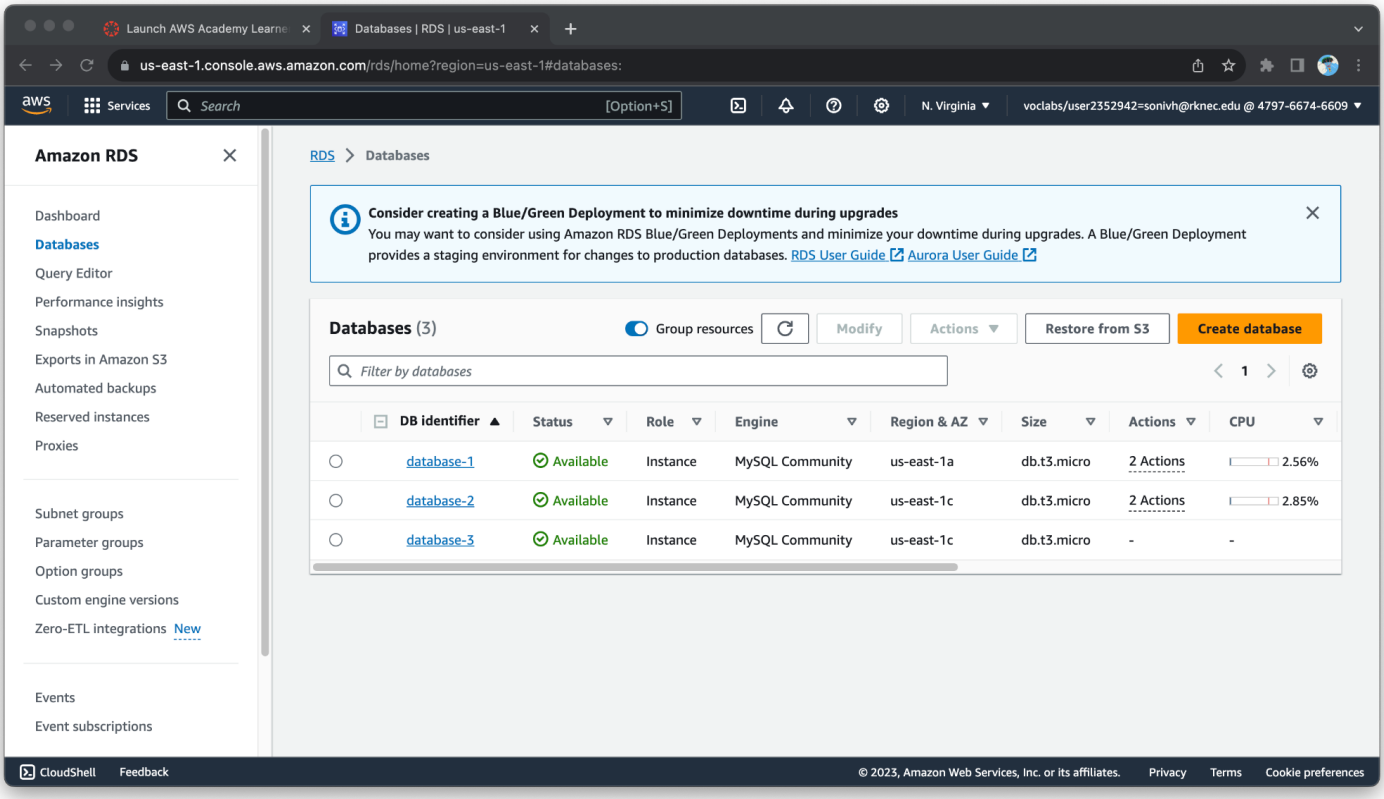
Launch AWS Academy Learne
Databases | RDS | us-east-1
us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#databases:
Services
Search
[Option+S]
N. Virginia
voclabs/user2352942=sonivh@rknec.edu @ 4797-6674-6609
Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Zero-ETL integrations New
Events
Event subscriptions
RDS > Databases
Consider creating a Blue/Green Deployment to minimize downtime during upgrades
You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. RDS User Guide Aurora User Guide
Databases (3)
Group resources
Modify
Actions
Restore from S3
Create database
Filter by databases
1
DB identifier
Status
Role
Engine
Region & AZ
Size
Actions
CPU
database-1 Available Instance MySQL Community us-east-1a db.t3.micro 2 Actions 2.56%
database-2 Available Instance MySQL Community us-east-1c db.t3.micro 2 Actions 2.85%
database-3 Available Instance MySQL Community us-east-1c db.t3.micro - -
CloudShell
Feedback
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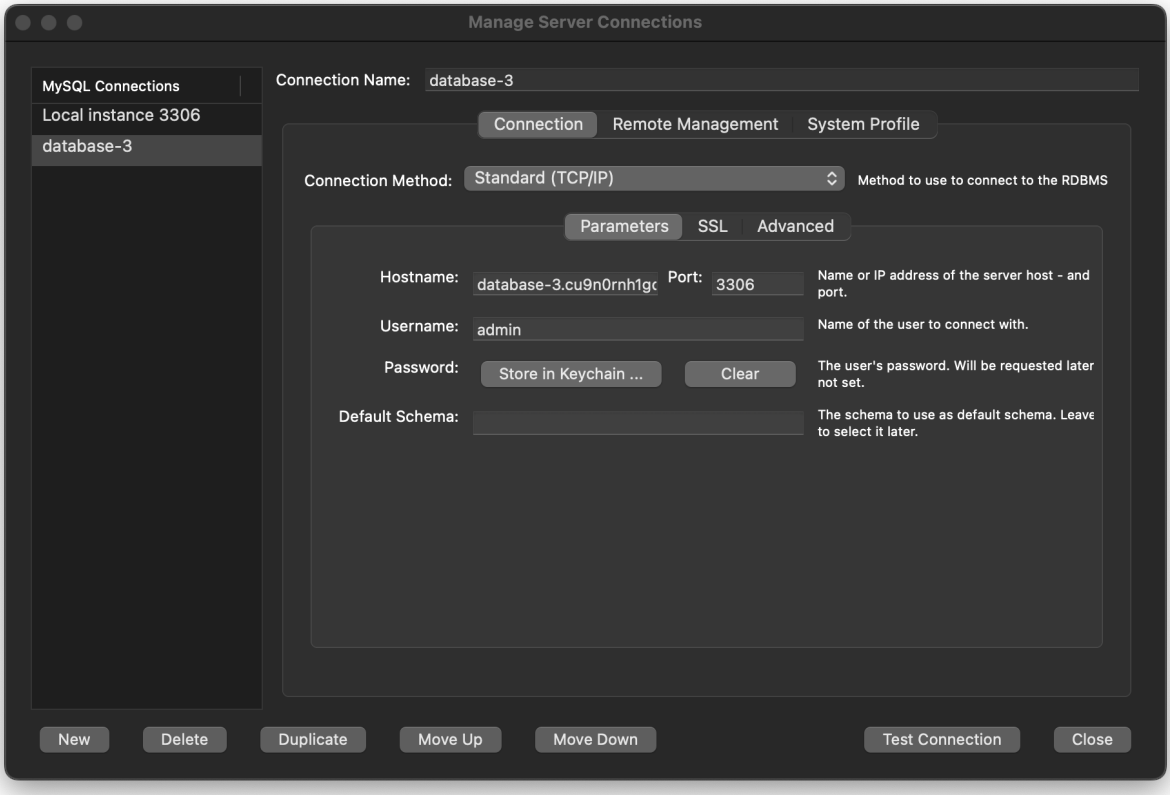
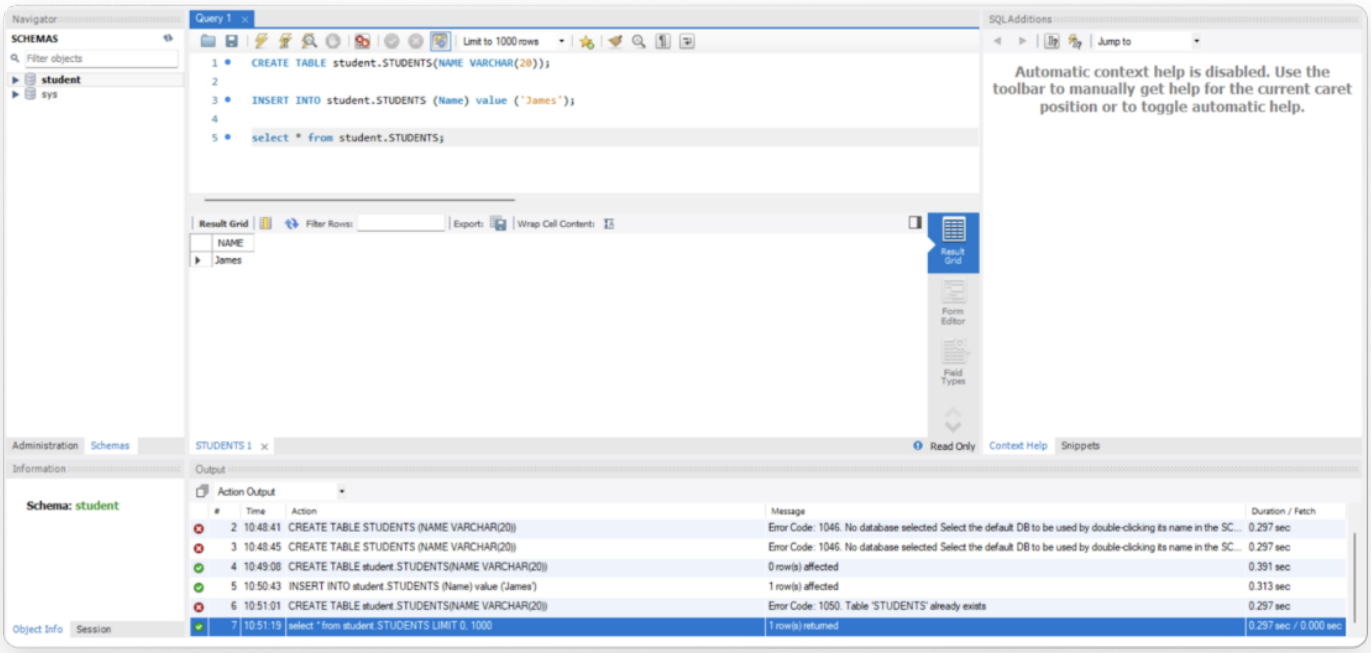
Create the connection on MySQL Workbench



Fire the basic queries and create the table



A table having at least five rows must be visible