

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

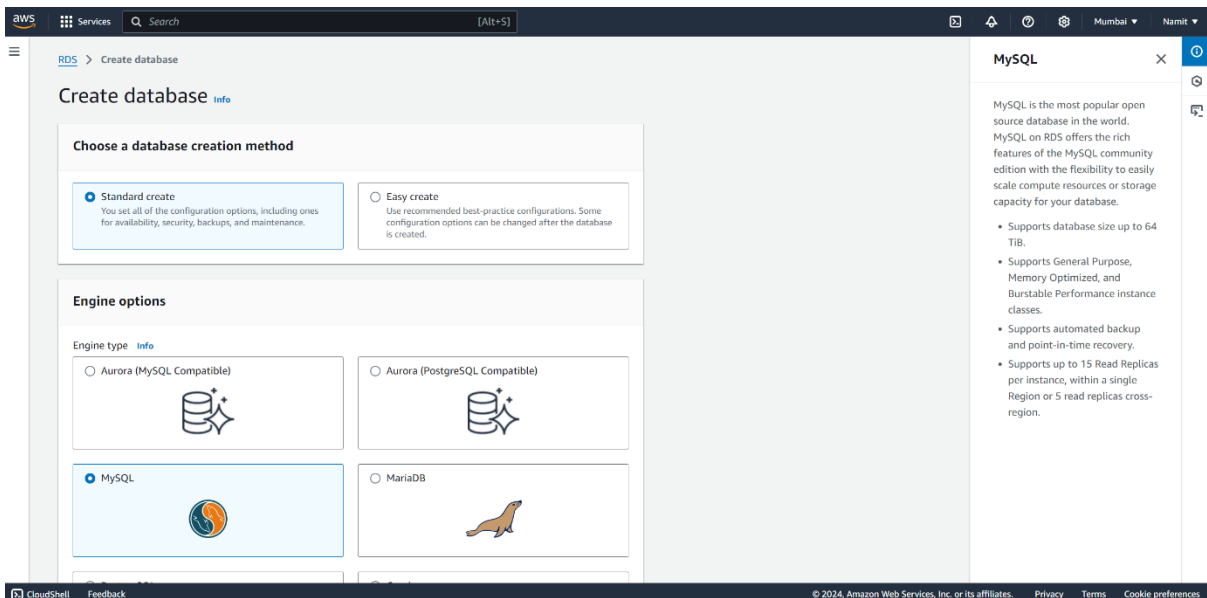
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

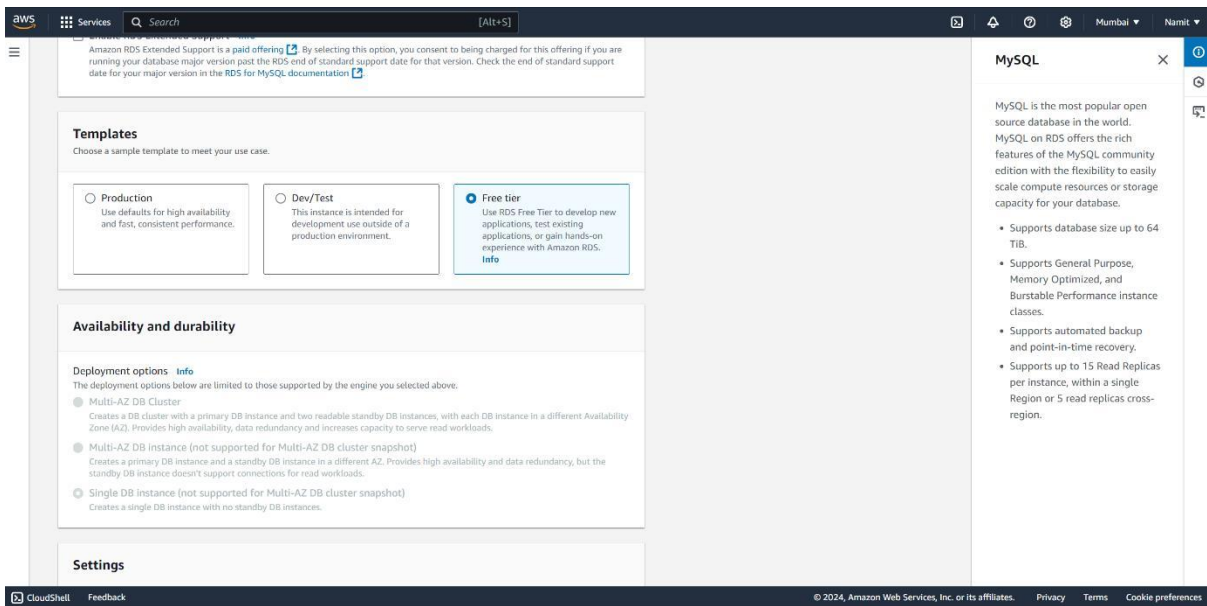
Title of Practical: Export Amazon RDS DB Snapshot to S3

- Create an DB Instance MySQL



The screenshot shows the 'Create database' page in the AWS Management Console. The 'Choose a database creation method' section has 'Standard create' selected. The 'Engine options' section has 'MySQL' selected. The right sidebar shows the 'MySQL' instance details, including its features and supported configurations.

- Select free tier



The screenshot shows the 'Create database' page in the AWS Management Console, specifically the 'Templates' section. The 'Free tier' option is selected. The 'Availability and durability' section shows the 'Deployment options' with 'Multi-AZ DB instance' selected. The right sidebar shows the 'MySQL' instance details, including its features and supported configurations.

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

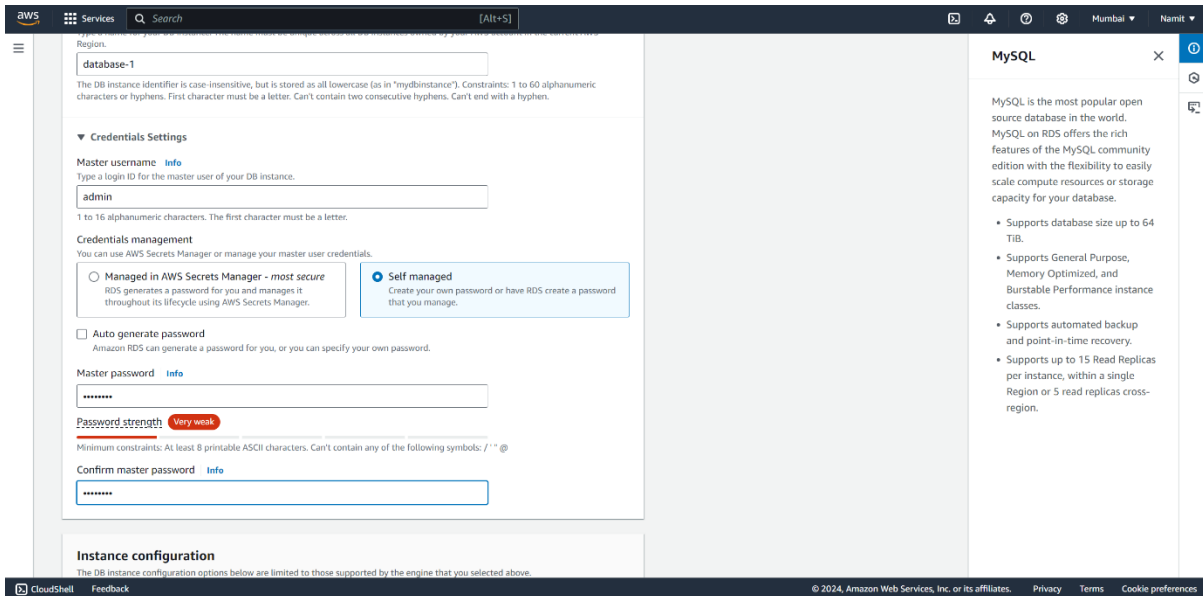
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

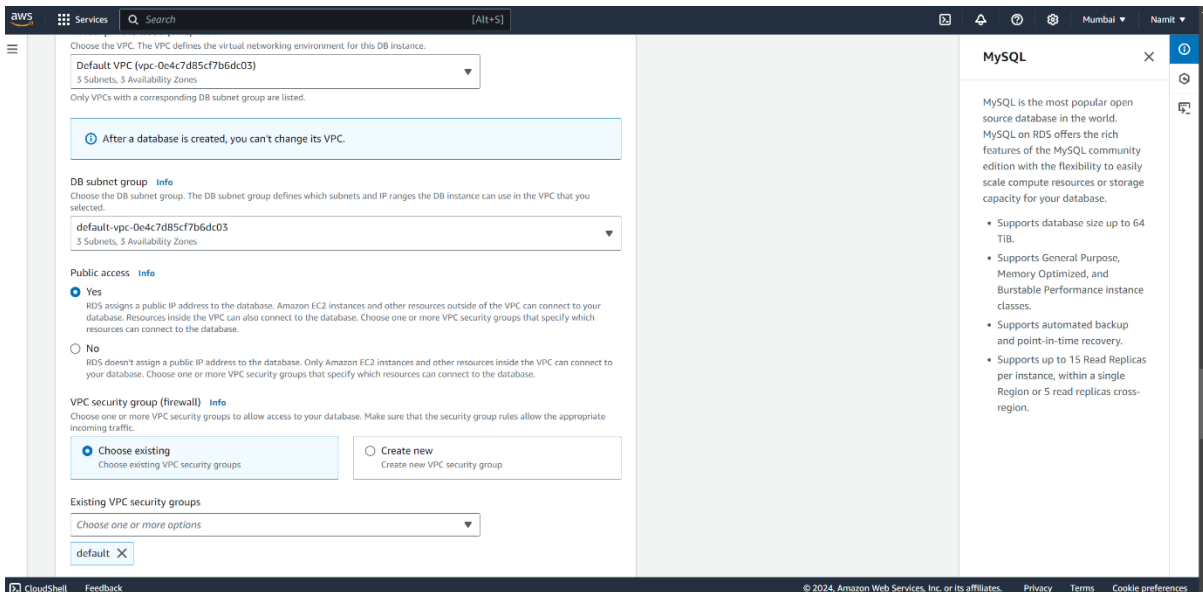
Title of Practical: Export Amazon RDS DB Snapshot to S3

- Set credentials



The screenshot shows the AWS Management Console interface for creating a new Amazon RDS MySQL instance. The 'Credentials Settings' section is active, showing the 'Master username' as 'admin' and the 'Master password' as '*****'. The 'Credentials management' section has two options: 'Managed in AWS Secrets Manager - most secure' (selected) and 'Self managed'. The 'Auto generate password' checkbox is checked. The 'Password strength' is indicated as 'Very weak'. The 'Instance configuration' section is partially visible at the bottom.

- Select yes to public access



The screenshot shows the AWS Management Console interface for creating a new Amazon RDS MySQL instance. The 'Public access' section is active, showing the 'Yes' radio button selected. The 'VPC security group (firewall)' section has two options: 'Choose existing' (selected) and 'Create new'. The 'Existing VPC security groups' dropdown menu is set to 'default'.

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

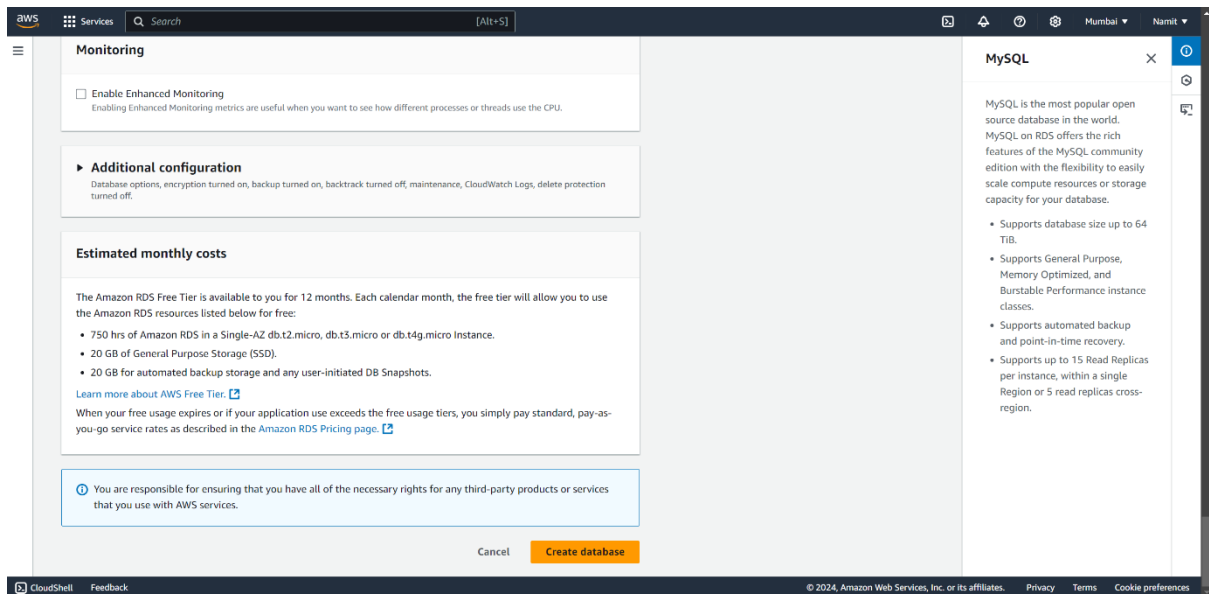
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

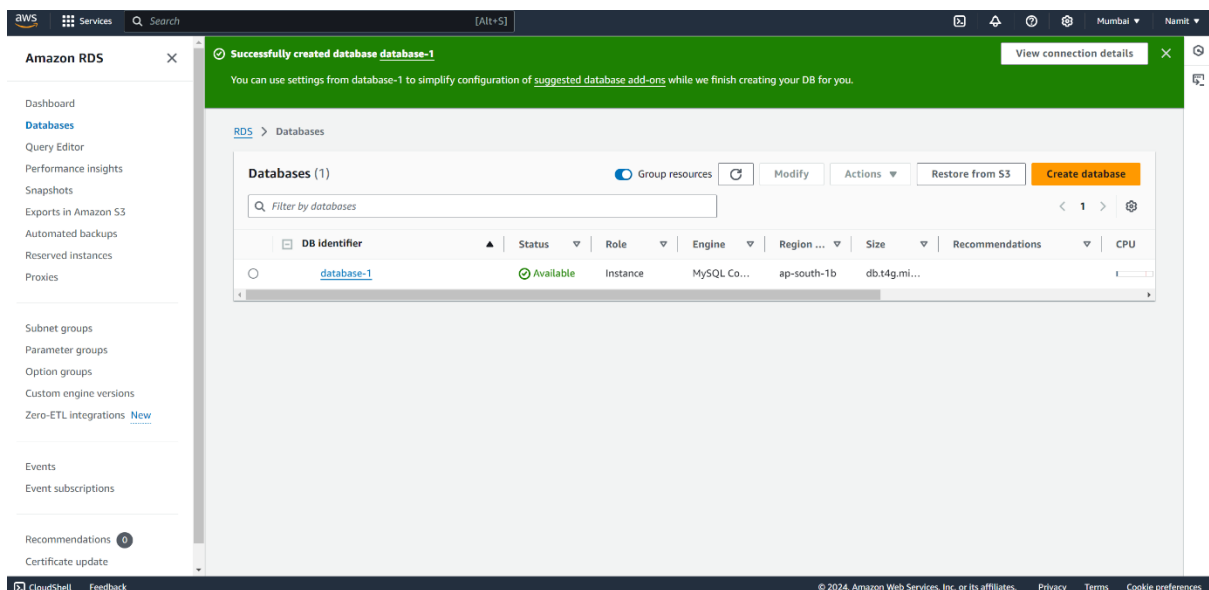
Title of Practical: Export Amazon RDS DB Snapshot to S3

- **Create DB**



The screenshot shows the 'Create Database' wizard in the AWS Management Console. The 'Monitoring' section has 'Enable Enhanced Monitoring' unchecked. The 'Additional configuration' section shows database options, encryption, backup, and CloudWatch Logs. The 'Estimated monthly costs' section lists the Amazon RDS Free Tier benefits: 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), and 20 GB for automated backup storage and any user-initiated DB Snapshots. A 'Create database' button is at the bottom right.

- **DB created**



The screenshot shows the 'Amazon RDS Databases' page. A green banner at the top states 'Successfully created database database-1'. Below the banner, a table lists the database instance:

DB Identifier	Status	Role	Engine	Region	Size	Recommendations	CPU
database-1	Available	Instance	MySQL Co...	ap-south-1b	db.t4g.mi...		

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

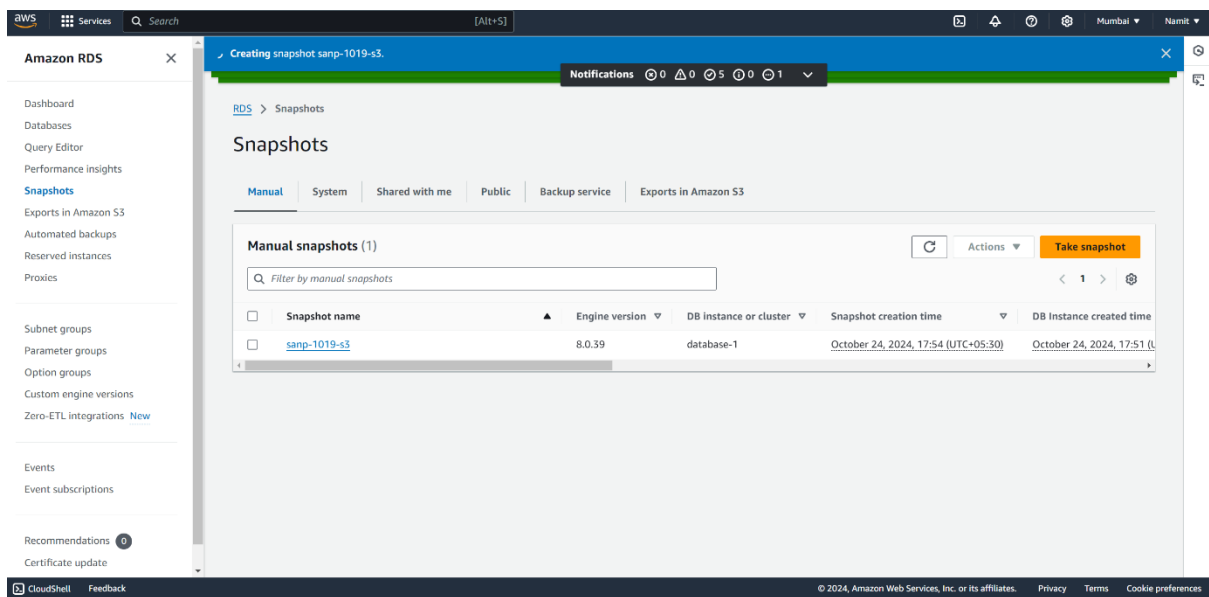
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

Title of Practical: Export Amazon RDS DB Snapshot to S3

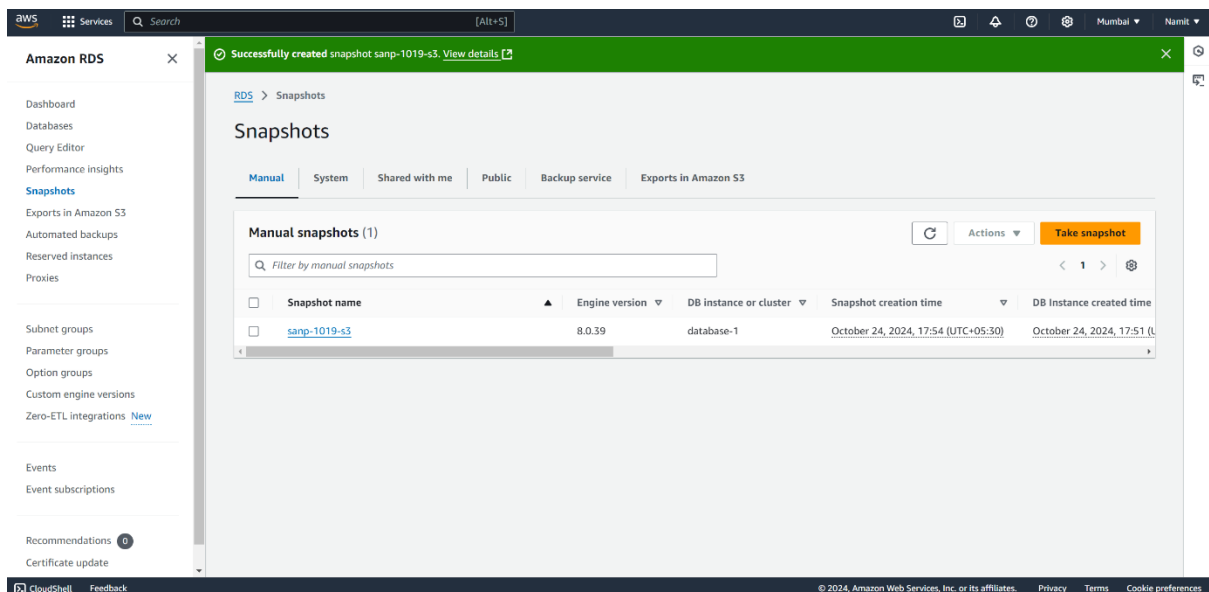
- Now we create snapshot of the db instance



The screenshot shows the AWS Management Console interface for Amazon RDS. The 'Snapshots' page is active, displaying a table of manual snapshots. A 'Take snapshot' button is visible in the top right corner. The table lists one snapshot named 'sanp-1019-s3' with engine version 8.0.39, created on October 24, 2024, at 17:54 (UTC+05:30).

Snapshot name	Engine version	DB instance or cluster	Snapshot creation time	DB Instance created time
sanp-1019-s3	8.0.39	database-1	October 24, 2024, 17:54 (UTC+05:30)	October 24, 2024, 17:51 (UTC+05:30)

- Snapshot created



The screenshot shows the AWS Management Console interface for Amazon RDS. A green banner at the top indicates 'Successfully created snapshot sanp-1019-s3'. The 'Snapshots' page is active, displaying a table of manual snapshots. The table lists one snapshot named 'sanp-1019-s3' with engine version 8.0.39, created on October 24, 2024, at 17:54 (UTC+05:30).

Snapshot name	Engine version	DB instance or cluster	Snapshot creation time	DB Instance created time
sanp-1019-s3	8.0.39	database-1	October 24, 2024, 17:54 (UTC+05:30)	October 24, 2024, 17:51 (UTC+05:30)

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

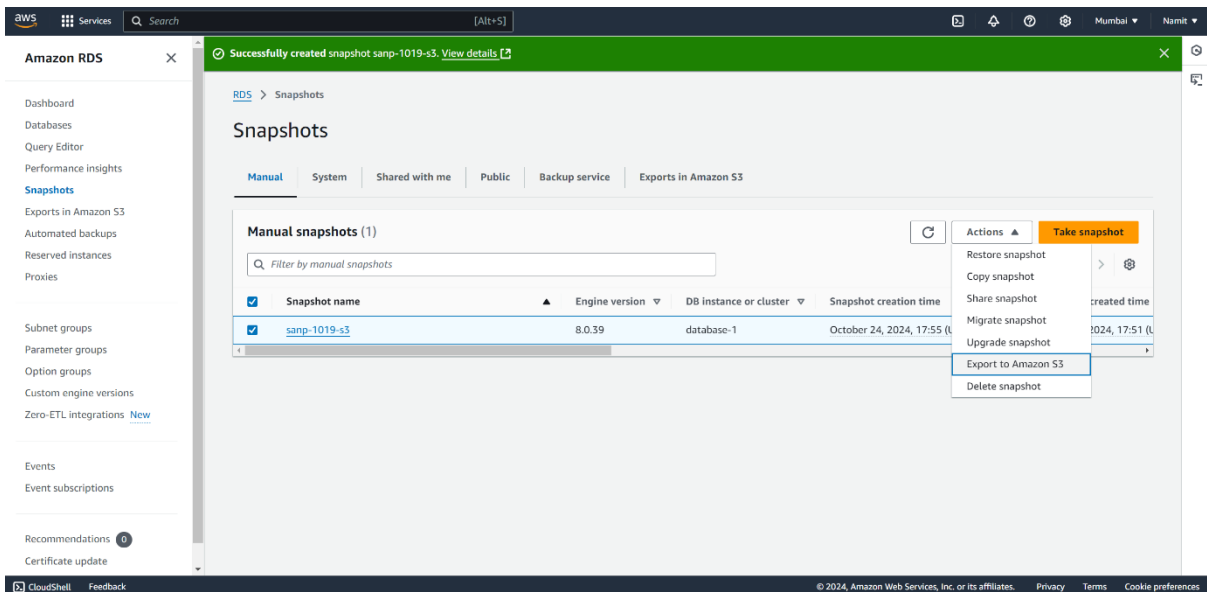
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

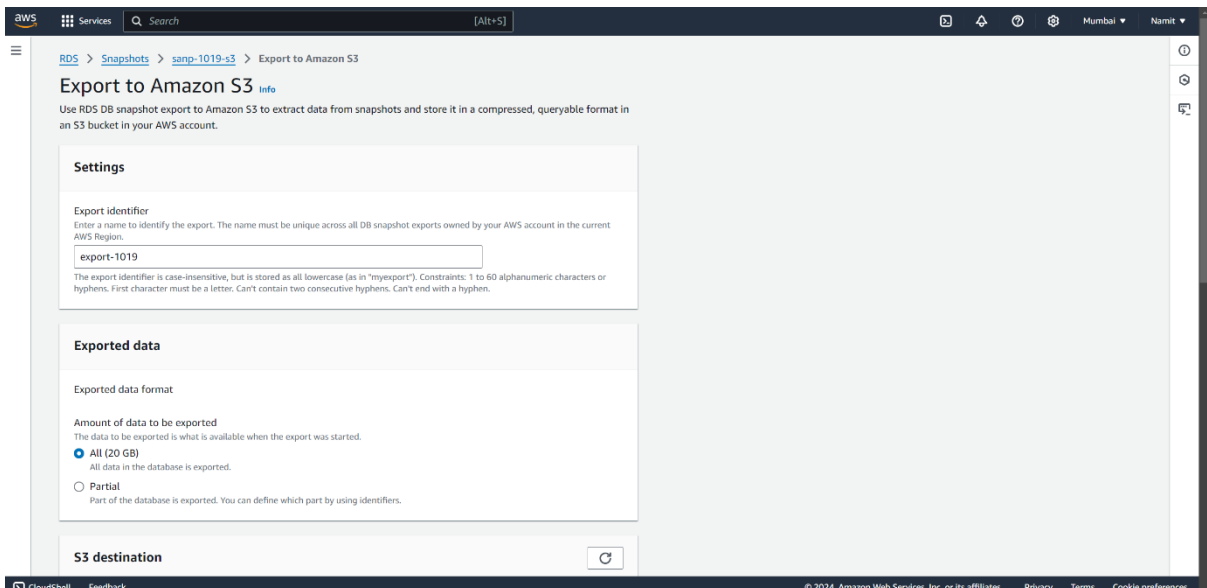
PRN: 20220801019

Title of Practical: Export Amazon RDS DB Snapshot to S3

- Export it to s3 from actions



- Give name



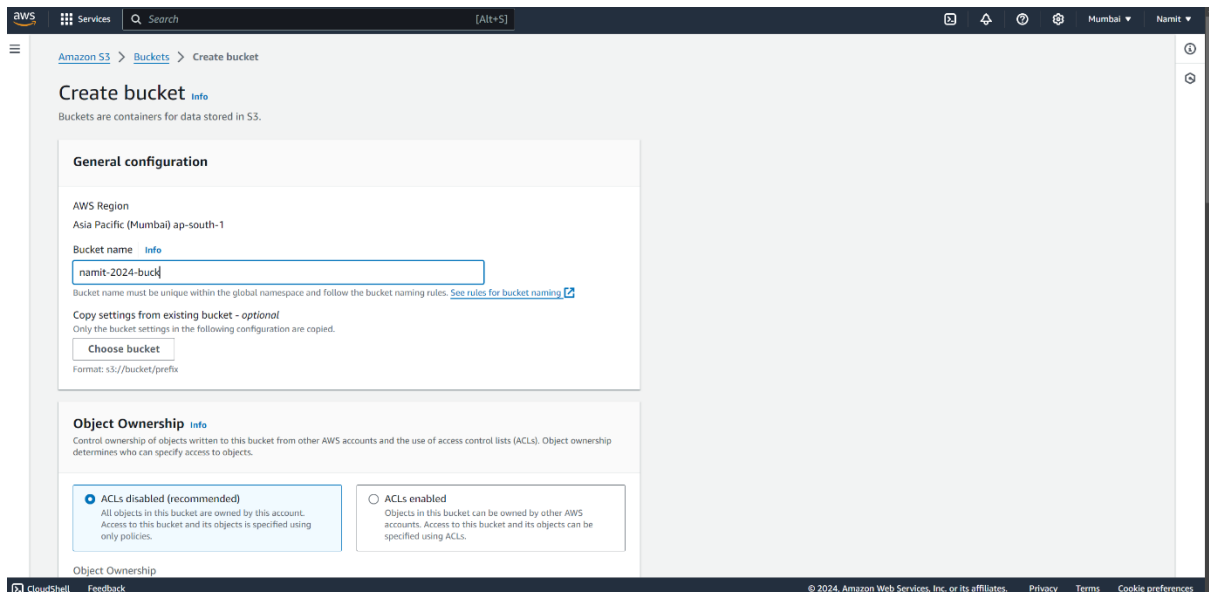
School of Computer Science, Engineering and Applications (SCSEA)
B.C.A. TY (CCSA)
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

Title of Practical: Export Amazon RDS DB Snapshot to S3

- Before export make ssure to create s3 bucket



aws Services Search [Alt+S]

Amazon S3 > Buckets > Create bucket

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-1

Bucket name Info

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

Format: s3://bucket/prefix

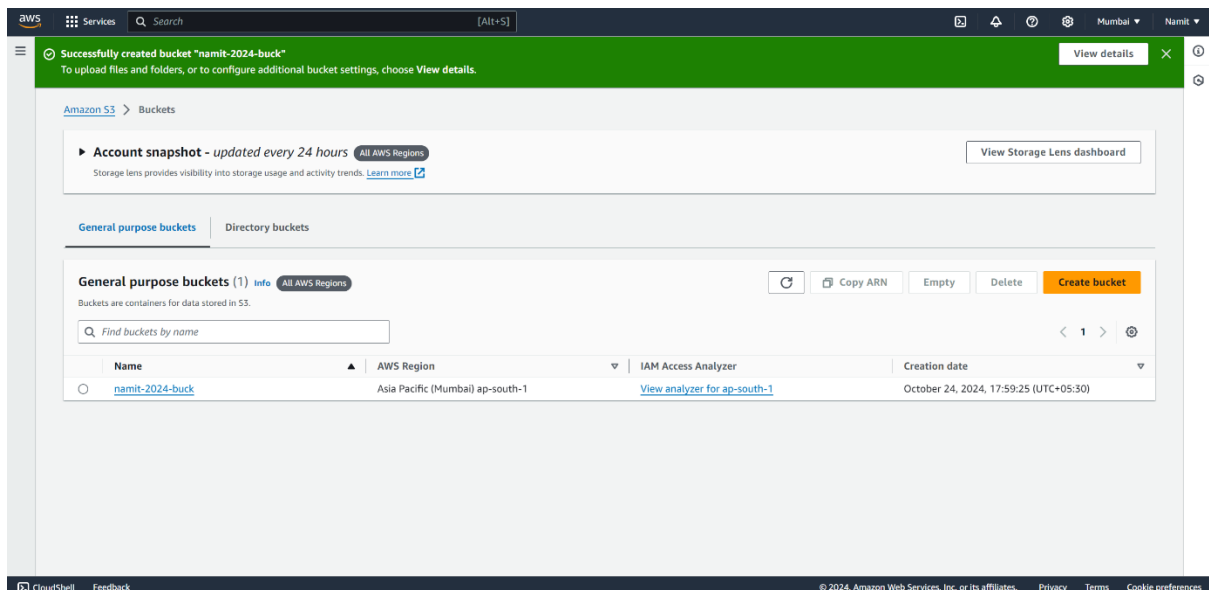
Object Ownership Info
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

☒ **ACLs disabled (recommended)**
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

☐ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership

© 2024 Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences



aws Services Search [Alt+S]

Successfully created bucket "namit-2024-buck"
To upload files and folders, or to configure additional bucket settings, choose [View details](#).

Amazon S3 > Buckets

Account snapshot - updated every 24 hours All AWS Regions
Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

[View Storage Lens dashboard](#)

General purpose buckets | Directory buckets

General purpose buckets (1) Info All AWS Regions

Buckets are containers for data stored in S3.

Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/> namit-2024-buck	Asia Pacific (Mumbai) ap-south-1	View analyzer for ap-south-1	October 24, 2024, 17:59:25 (UTC+05:30)

© 2024 Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

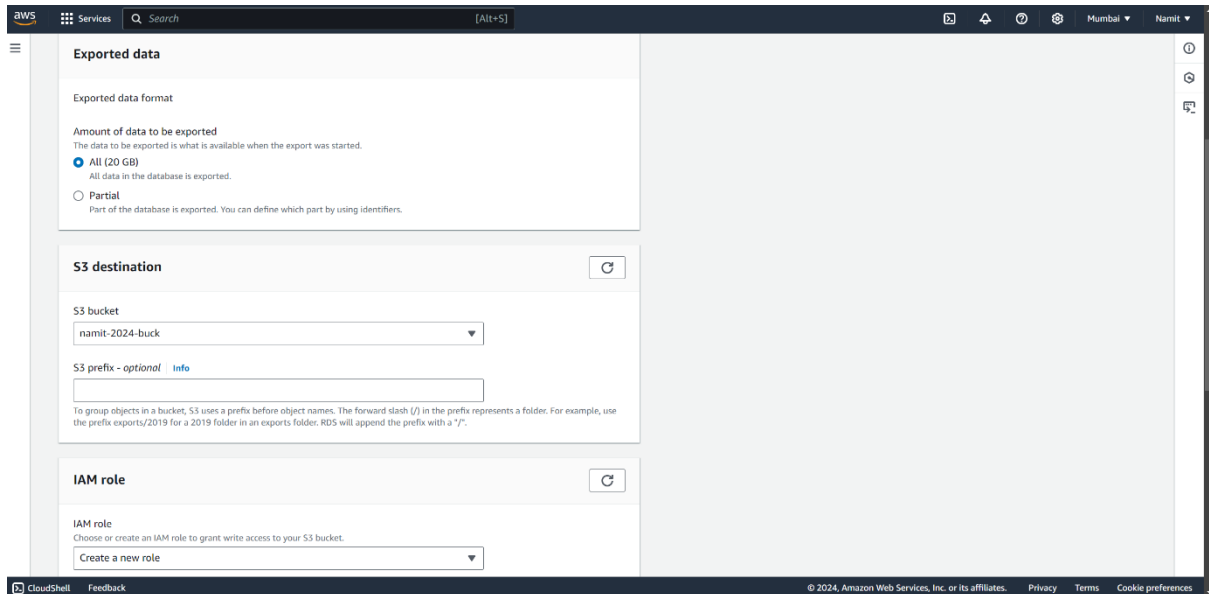
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

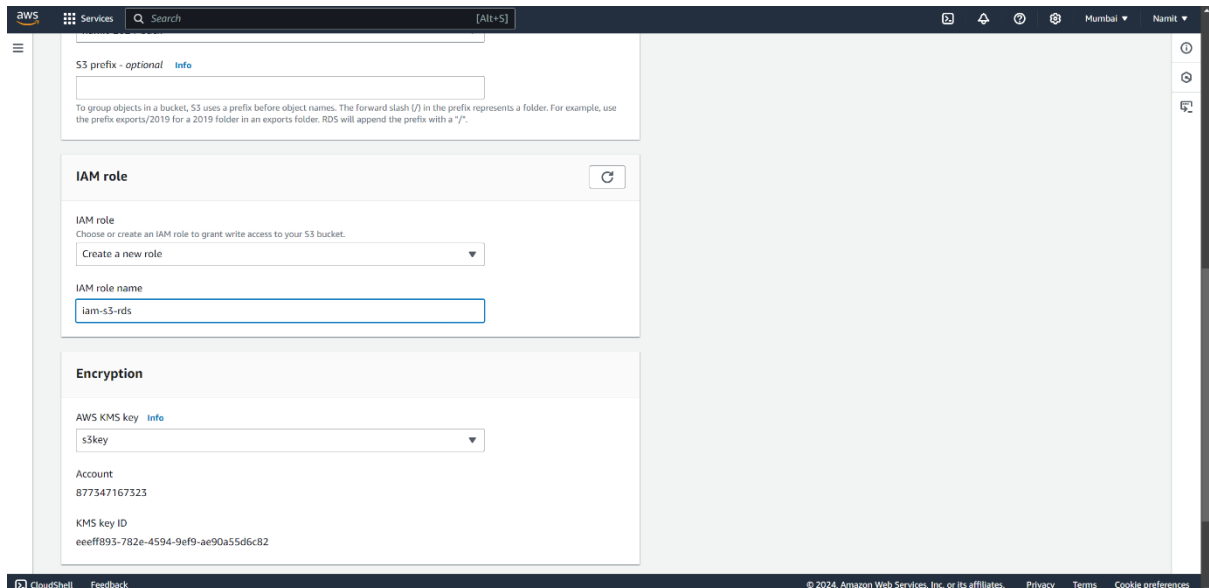
Title of Practical: Export Amazon RDS DB Snapshot to S3

- Select the bucket we created



The screenshot shows the AWS console 'Exported data' page. The 'Exported data format' section has 'All (20 GB)' selected. The 'S3 destination' section shows 'namit-2024-buck' in the 'S3 bucket' dropdown. The 'IAM role' section shows 'Create a new role' in the dropdown. The page footer includes '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

- Select role with s3 access



The screenshot shows the AWS console 'IAM role' page. The 'IAM role' section shows 'Create a new role' in the dropdown. The 'IAM role name' field contains 'iam-s3-rds'. The 'Encryption' section shows 's3key' in the 'AWS KMS key' dropdown. The 'Account' field contains '877347167323' and the 'KMS key ID' field contains 'eeeff893-782e-4594-9ef9-ae90a55dc682'. The page footer includes '© 2024, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences'.

School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

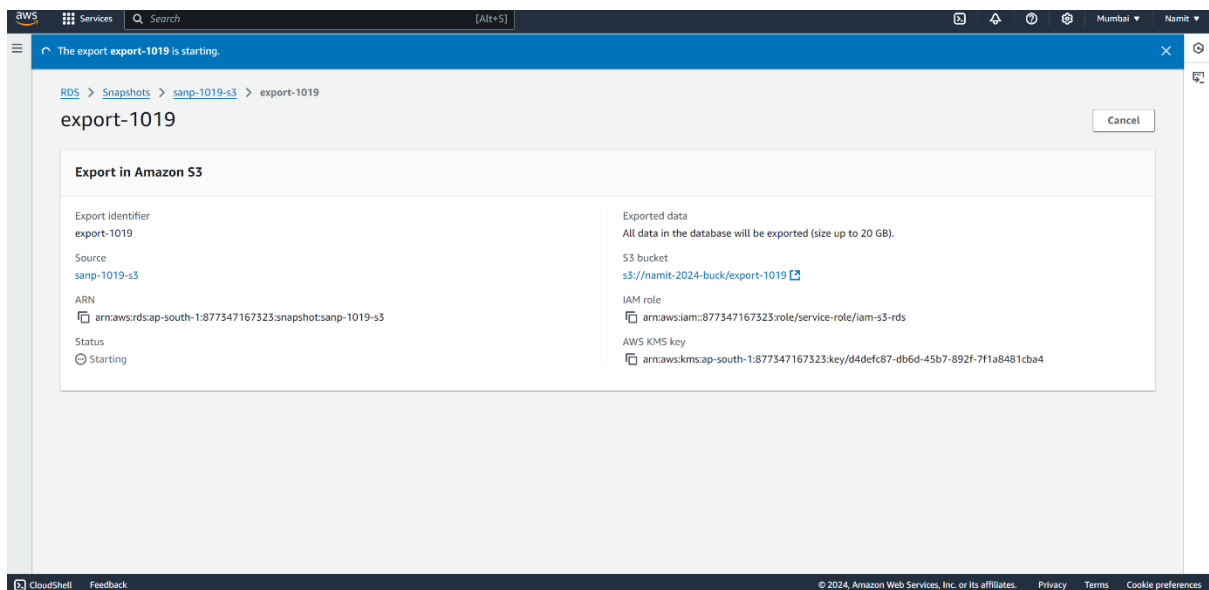
Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

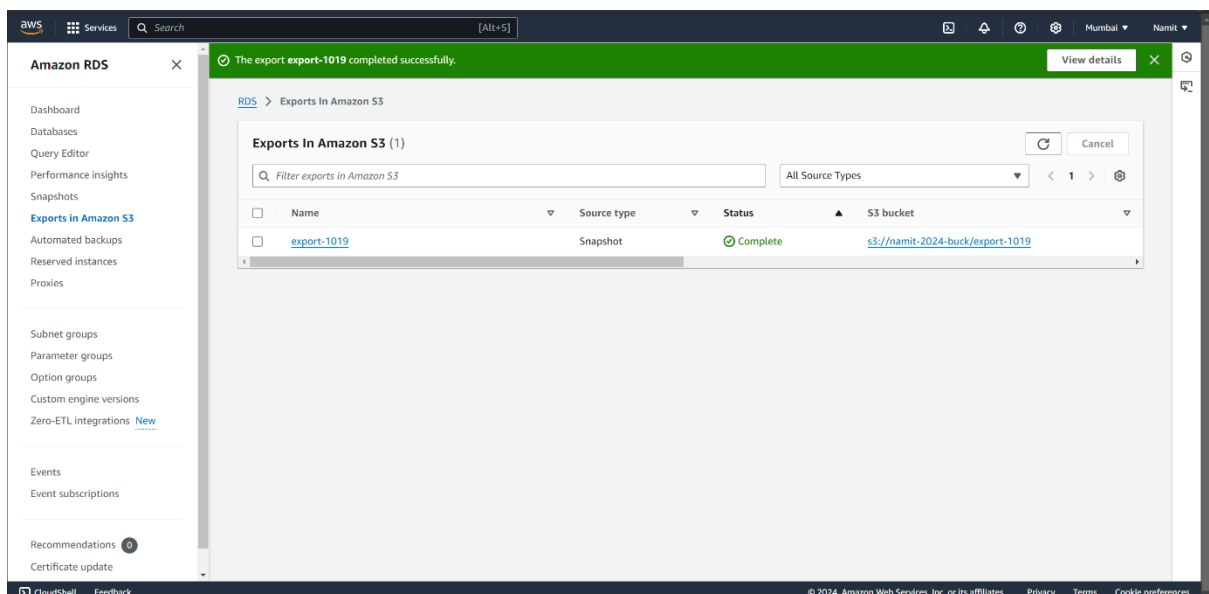
PRN: 20220801019

Title of Practical: Export Amazon RDS DB Snapshot to S3

- Let the export complete



- Export completed



School of Computer Science, Engineering and Applications (SCSEA)

B.C.A. TY (CCSA)

Subject: Advanced Cloud Computing

Name of the Student: Namit Agarwal

PRN: 20220801019

Title of Practical: Export Amazon RDS DB Snapshot to S3

- As we can see exported to s3 bucket

