

## REDSHIFT DATABASE TASK

Problem Statement: You work for XYZ Corporation. Their application requires a database service that can store data which can be retrieved if required. Implement suitable service for the same. While migrating, you are asked to perform the following tasks:

1. Create a Redshift data warehouse.
2. Using the query editor:
  - a. Load some data
  - b. Query the data

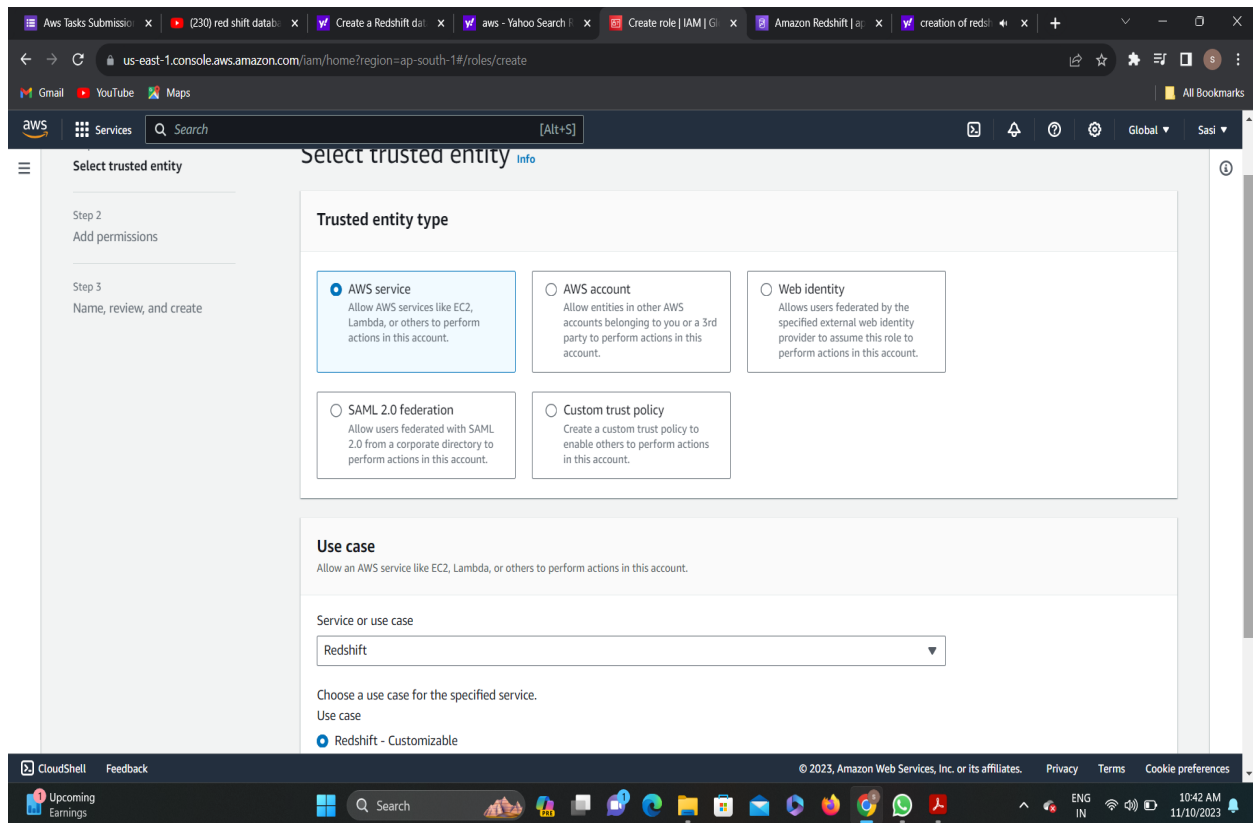
Open amazon console search for amazon redshift

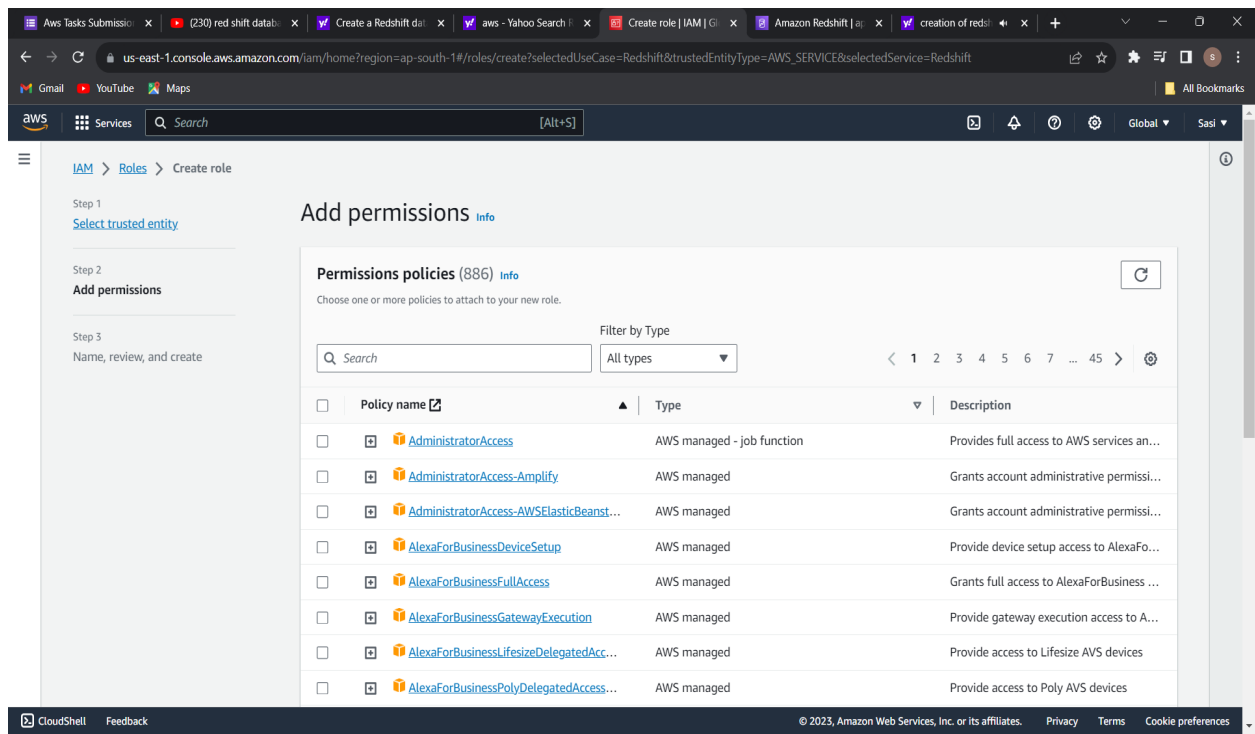
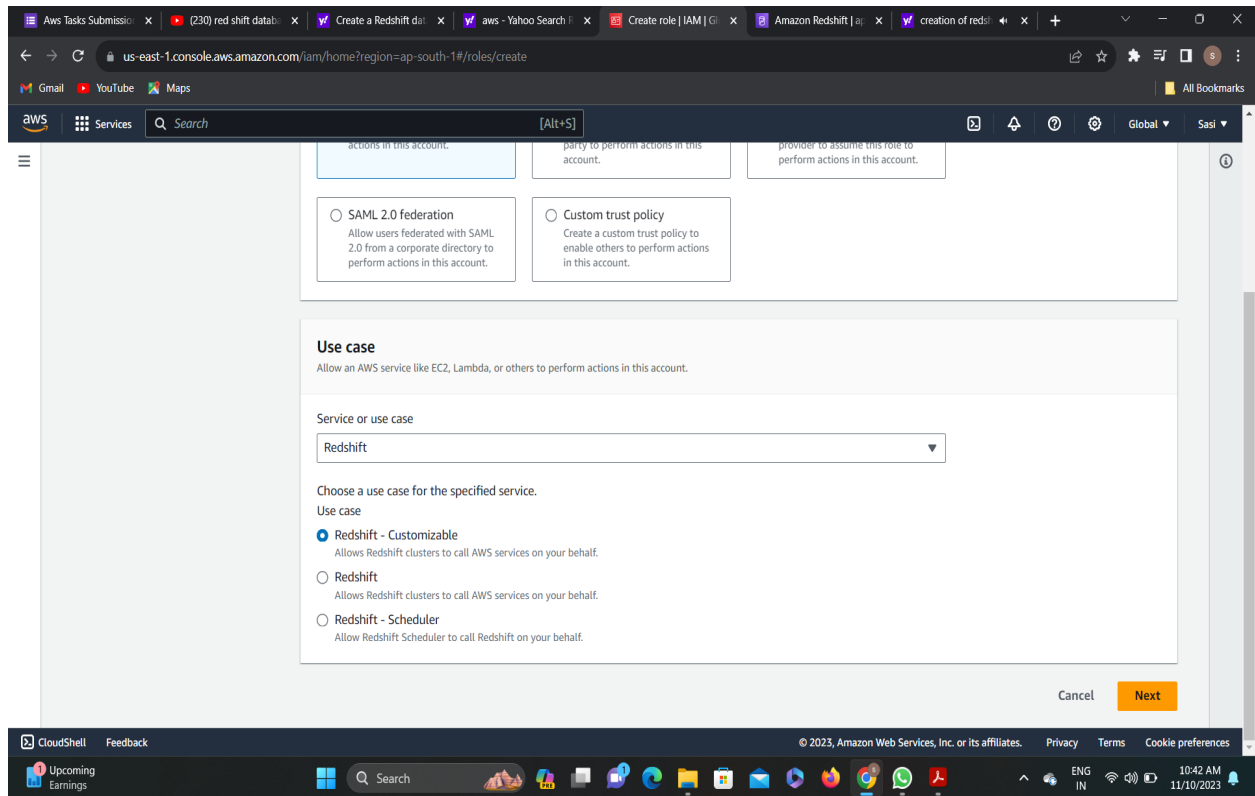
Click open the dashboard

First create IAM role

Search for s3 give s3 read only access

Then create security group





us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#/roles

Role Redshift created. View role

### Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles**
- Policies
- Identity providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analizers
- Settings
- Credential report

### Roles (7) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Search

<input type="checkbox"/>	Role name	Trusted entities	Last activity
<input type="checkbox"/>	<a href="#">AWSBackupDefaultServiceRole</a>	AWS Service: backup	-
<input type="checkbox"/>	<a href="#">AWSServiceRoleForApplicationAutoScaling_DynamoDBTable</a>	AWS Service: dynamodb.application-	23 hours ago
<input type="checkbox"/>	<a href="#">AWSServiceRoleForRDS</a>	AWS Service: rds(Service-Linked Rol	35 minutes ago
<input type="checkbox"/>	<a href="#">AWSServiceRoleForSupport</a>	AWS Service: support (Service-Link	-
<input type="checkbox"/>	<a href="#">AWSServiceRoleForTrustedAdvisor</a>	AWS Service: trustedadvisor (Service	-
<input type="checkbox"/>	<a href="#">rds-monitoring-role</a>	AWS Service: monitoring.rds	-
<input type="checkbox"/>	<a href="#">Redshift</a>	AWS Service: redshift	-

### Roles Anywhere Info

Authenticate your non AWS workloads and securely provide access to AWS services.

Manage

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateSecurityGroup:

EC2 > Security Groups > Create security group

## Create security group Info

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

### Basic details

Security group name Info

Redshift

Name cannot be edited after creation.

Description Info

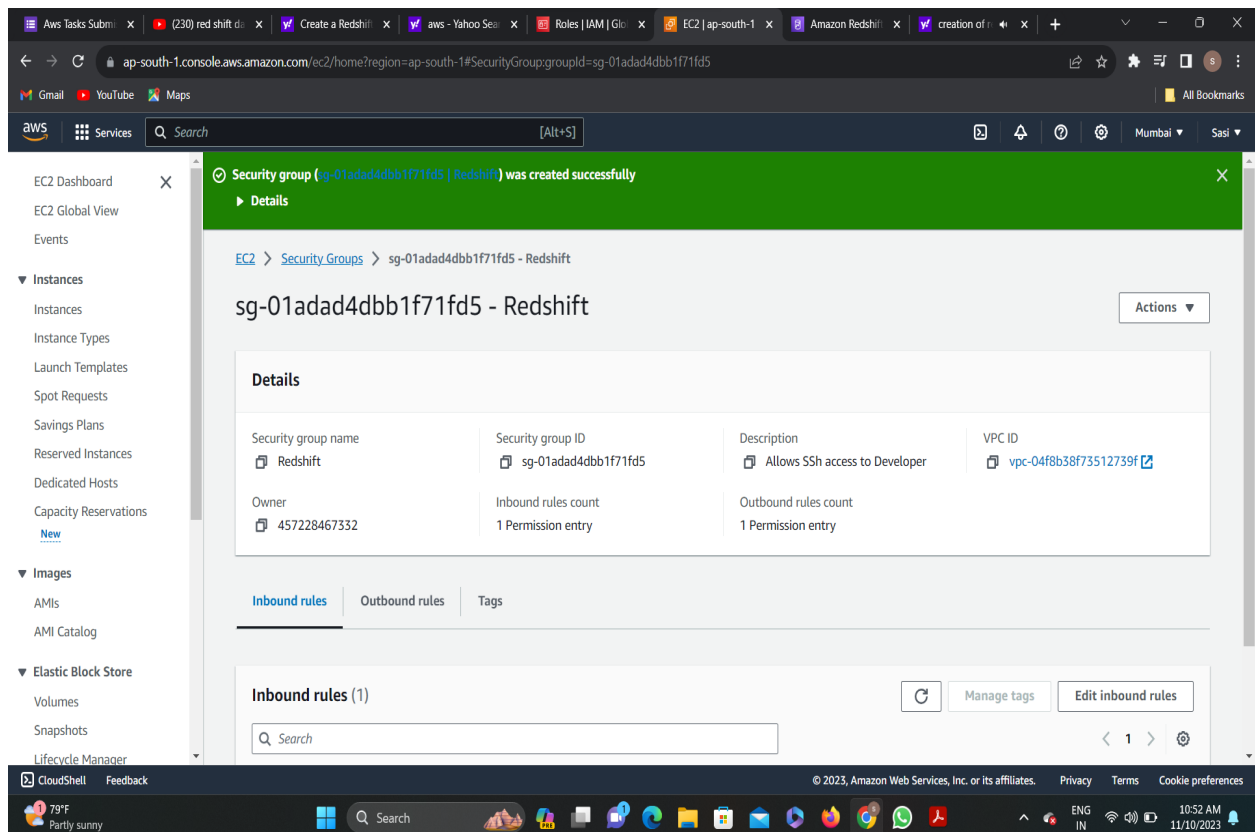
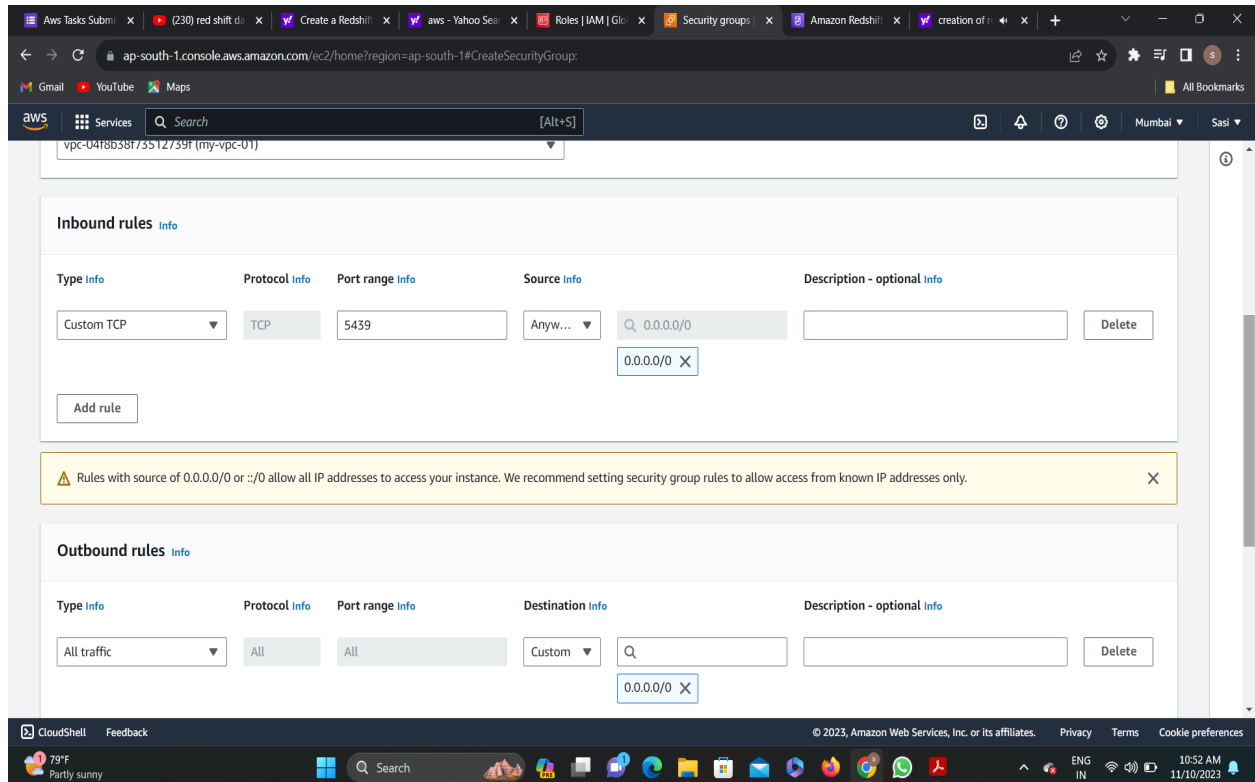
Allows SSH access to Developer

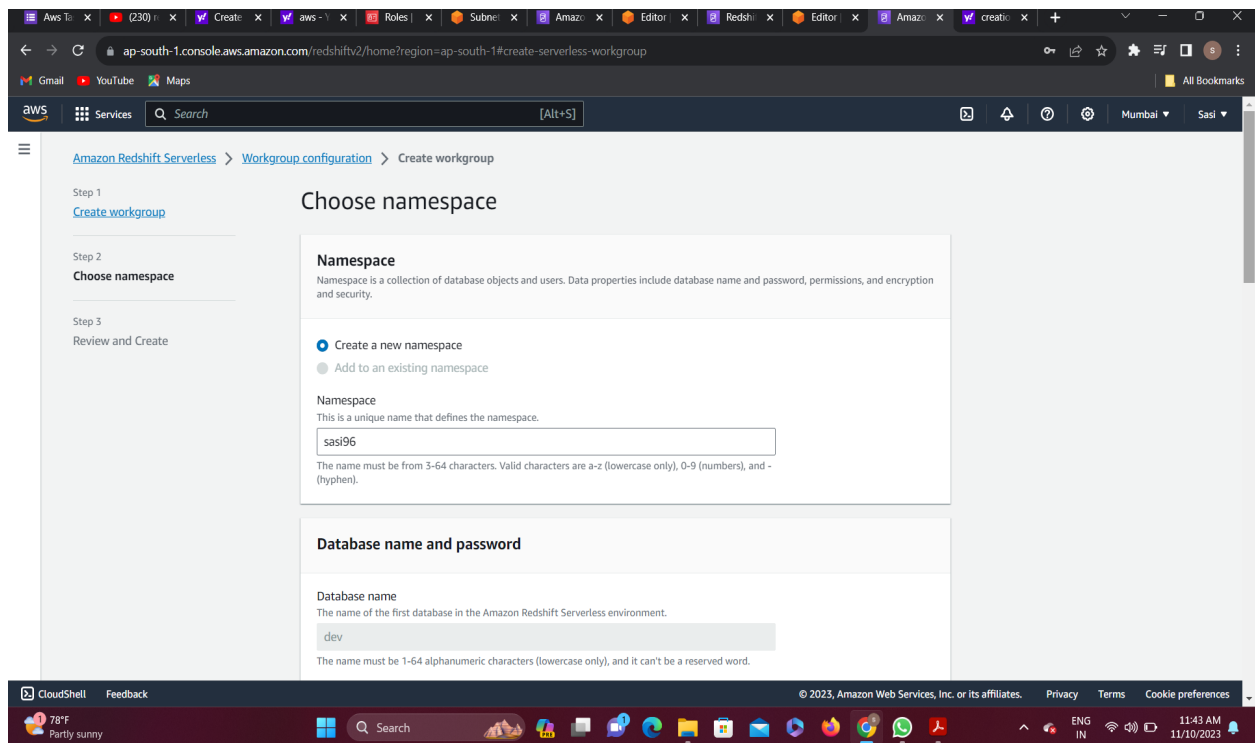
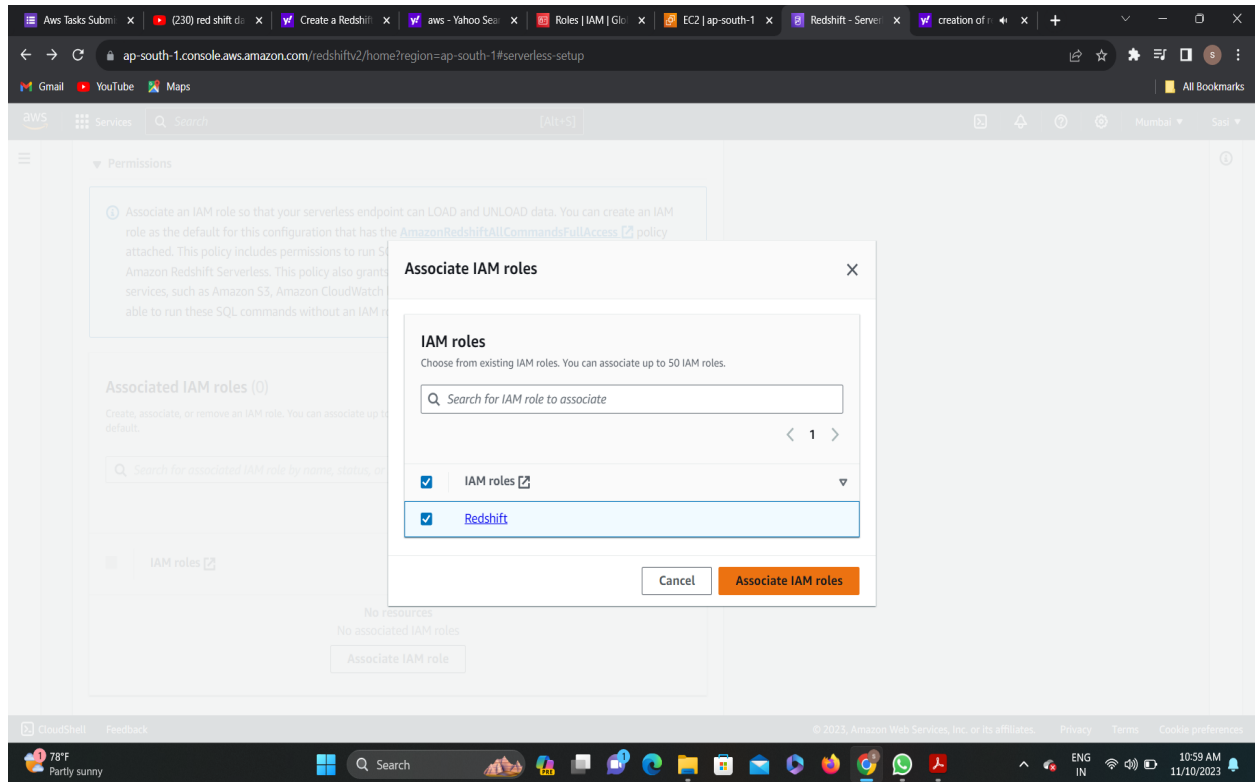
VPC Info

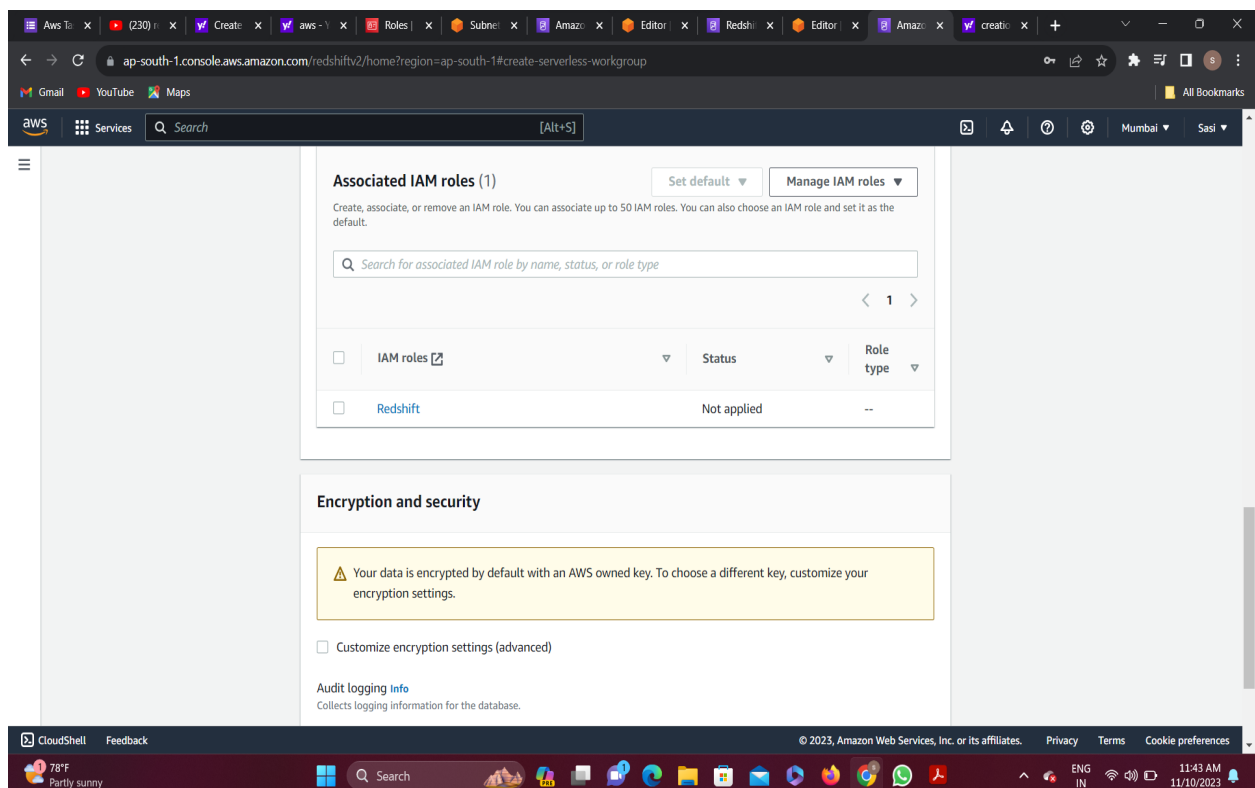
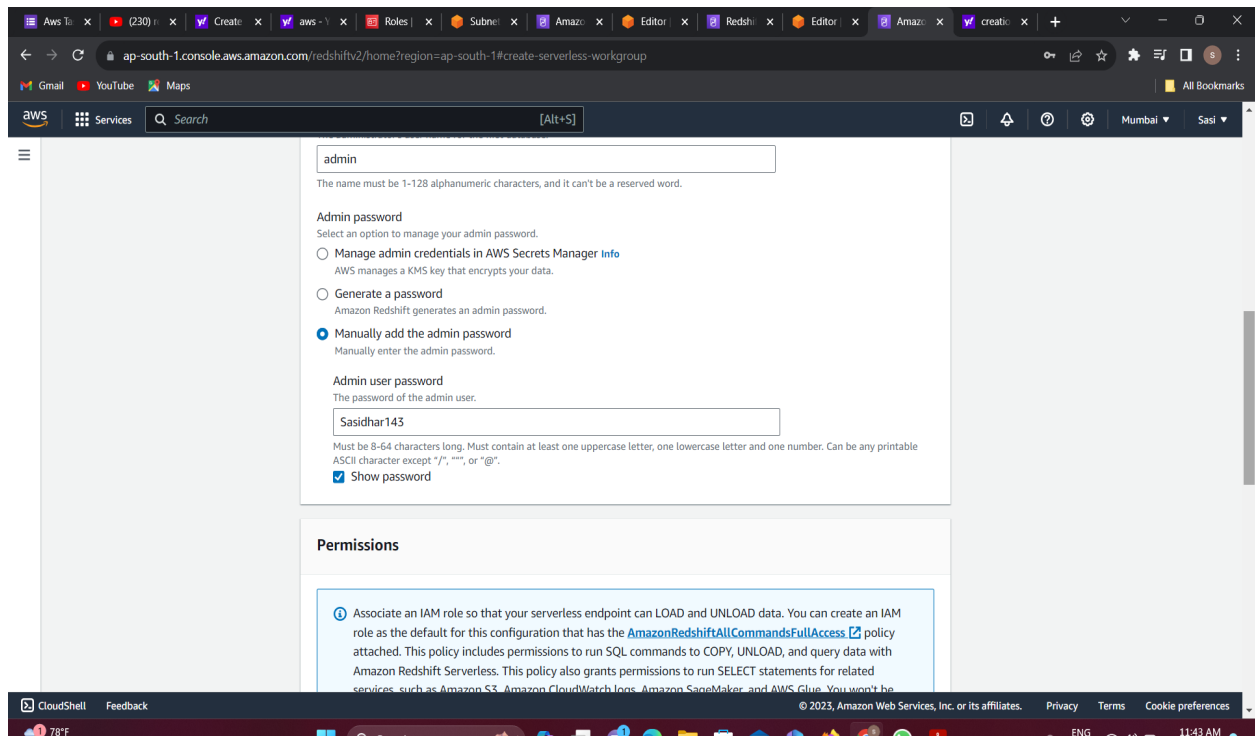
vpc-04f8b38f73512739f (my-vpc-01)

### Inbound rules Info

This security group has no inbound rules.







ap-south-1.console.aws.amazon.com/redshiftv2/home?region=ap-south-1#serverless-dashboard?namespace=sasi96&workgroup=sasi

Amazon Redshift Serverless is creating sasi.

## Serverless dashboard

Refresh Query data Create workgroup

### Namespace overview

Filter namespace: All namespaces

Namespace data from your account

Total snapshots	Datashares in my account	Datashares requiring authorization	Datashares from other accounts	Datashares requiring association
0	0	0	0	0

### Namespaces / Workgroups

Namespace	Status	Workgroup	Status
sasi96	Modifying	sasi	Creating

### Queries metrics

Refresh sasi Last hour View details

### Free trial

Free trial credits remaining: \$300.00 out of \$300.00

Free trial expiration: February 08, 2024

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ap-south-1.console.aws.amazon.com/redshiftv2/home?region=ap-south-1#serverless-dashboard?namespace=sasi96&workgroup=sasi

Creation in progress: Amazon Redshift Serverless is creating sasi.

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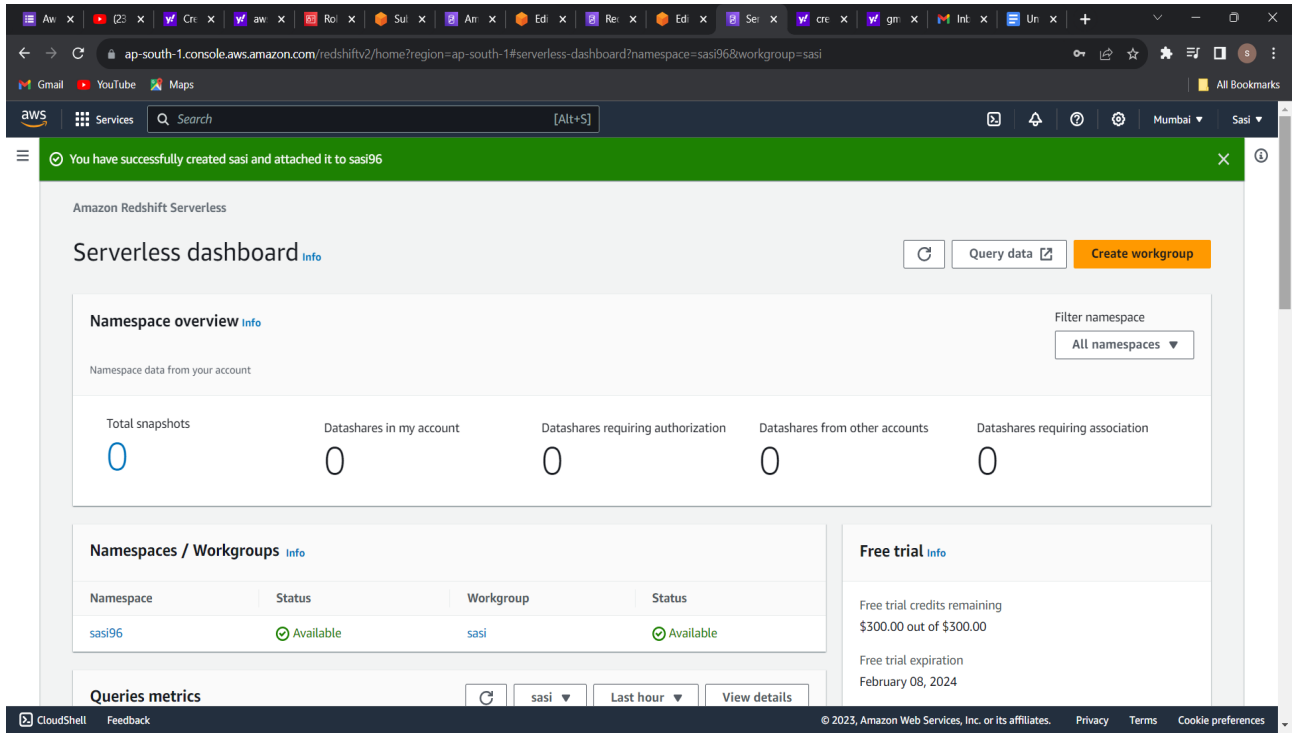
### Free trial

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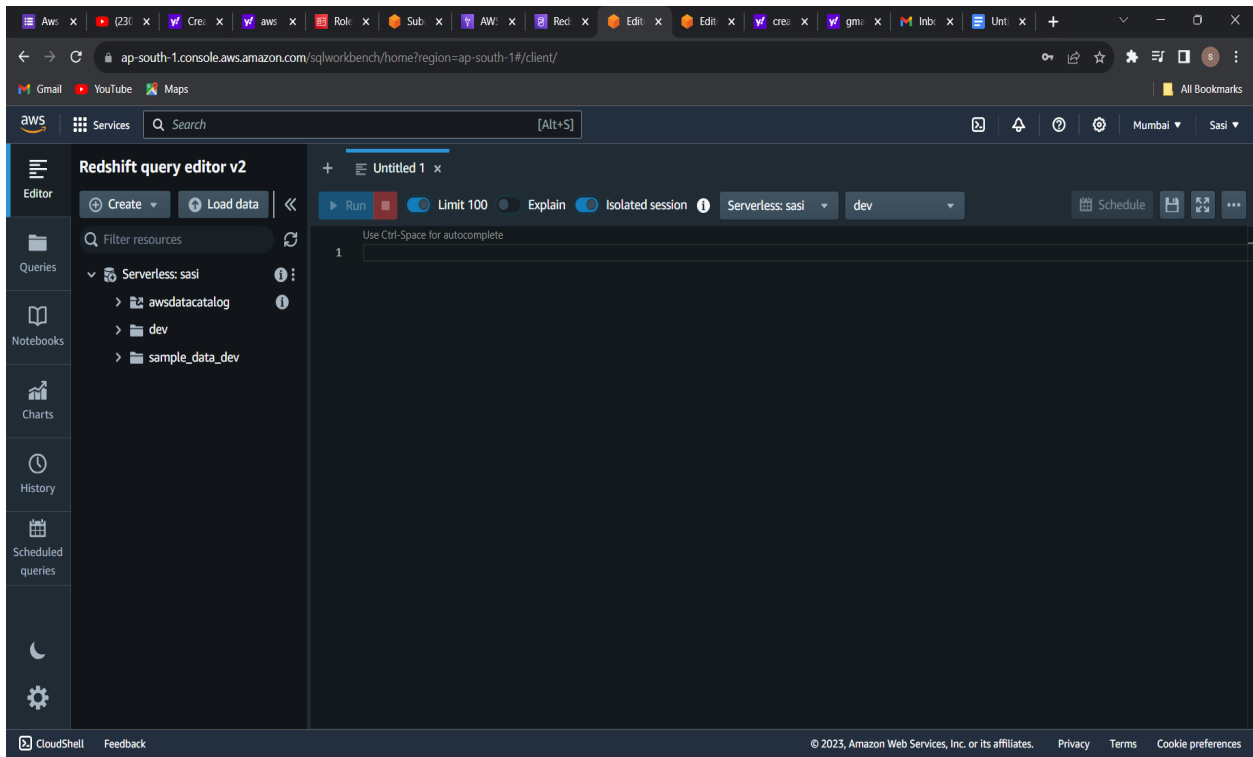
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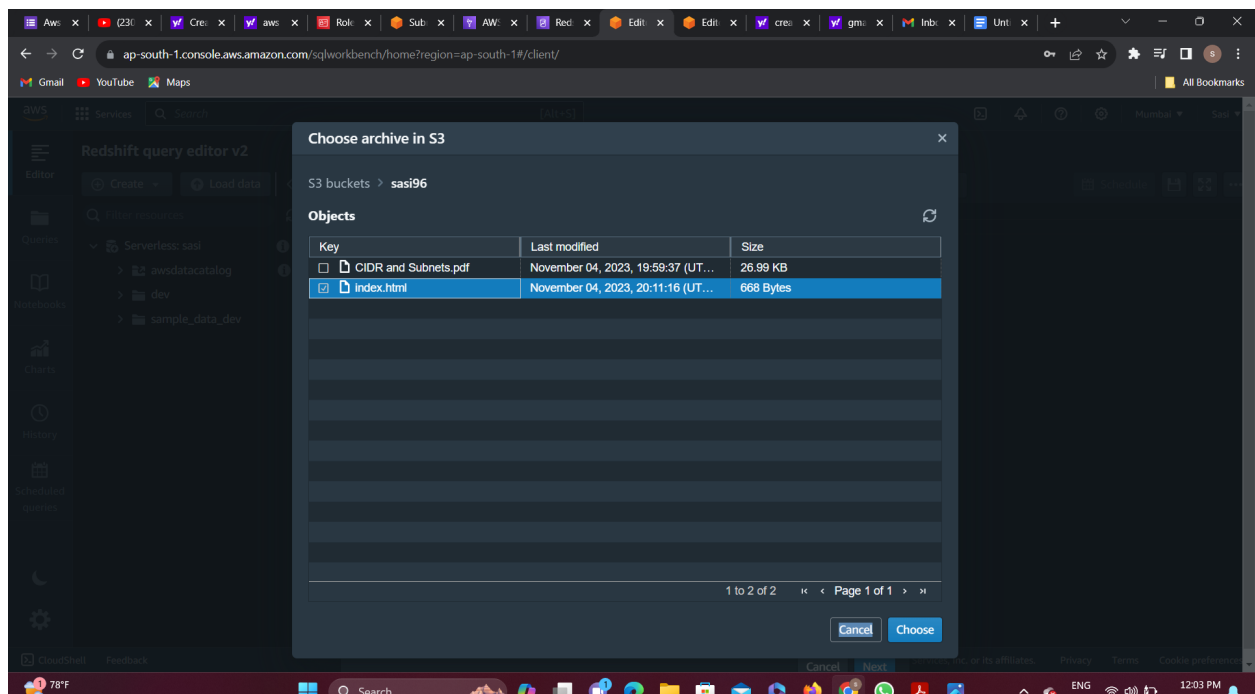
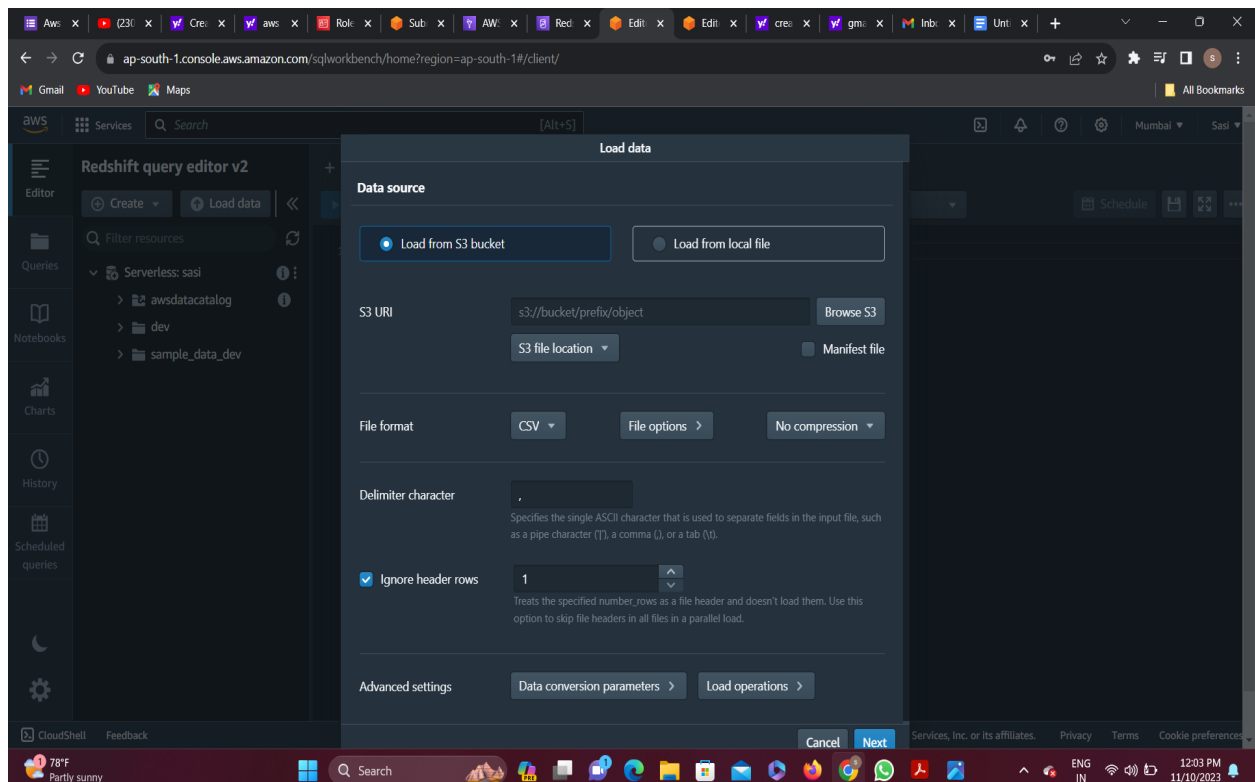
78°F 11:46 AM



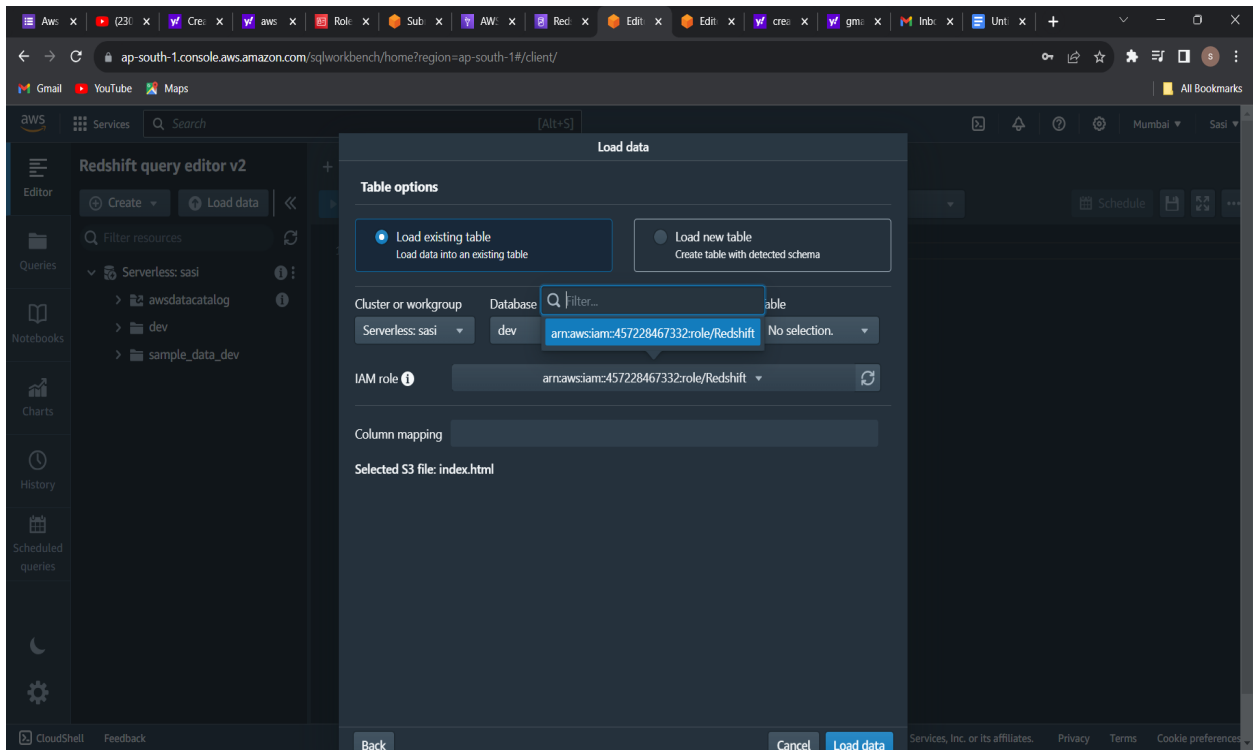
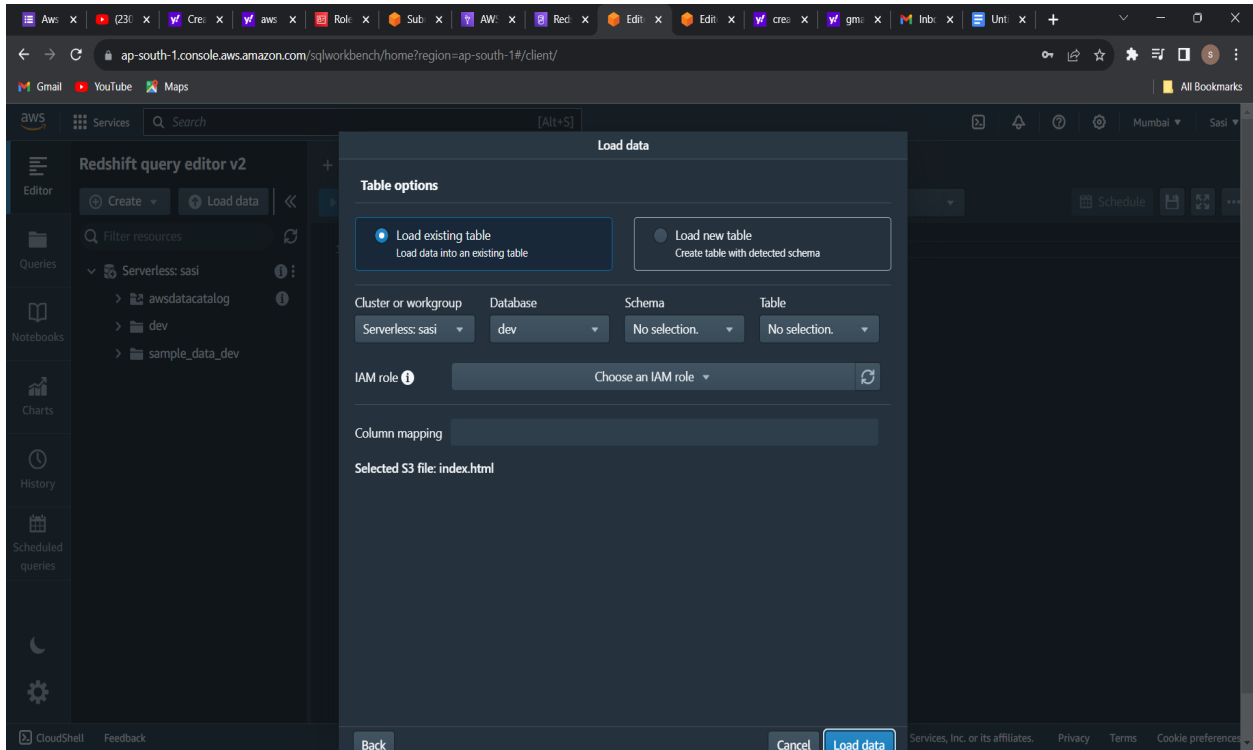
2)

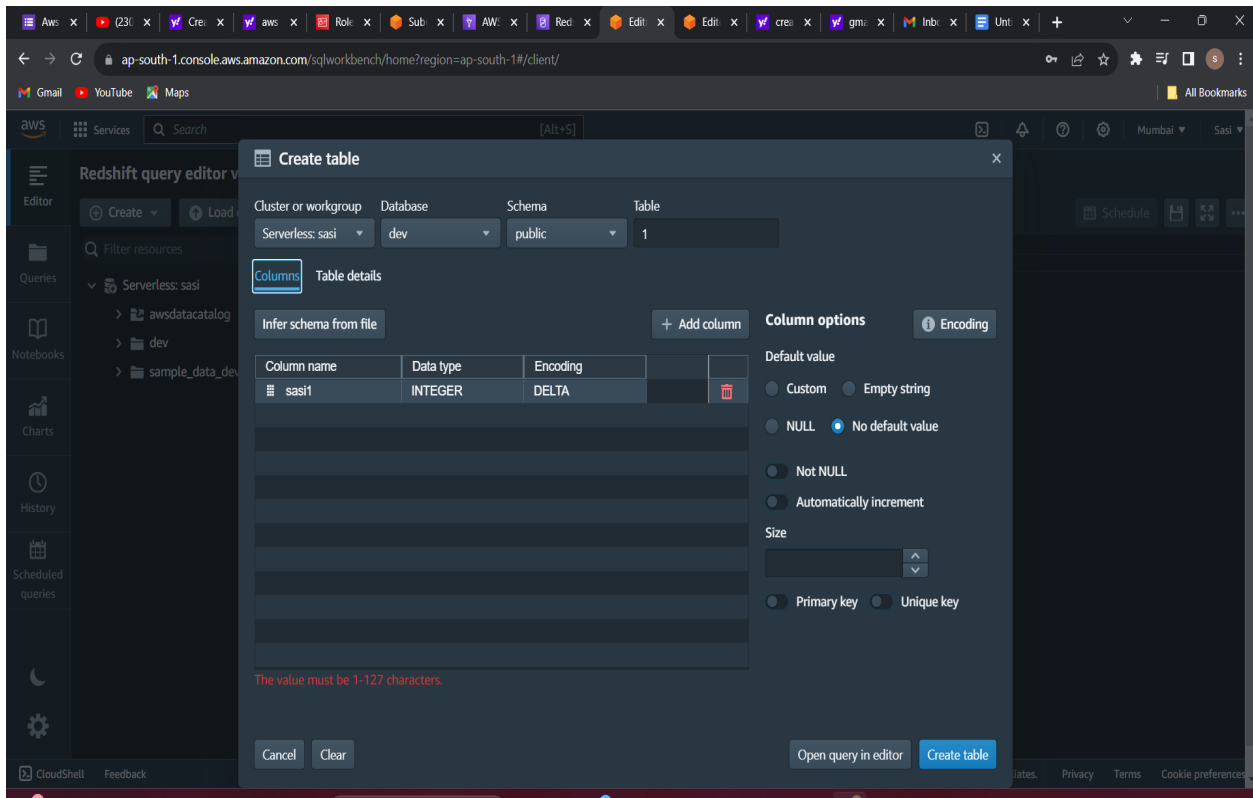
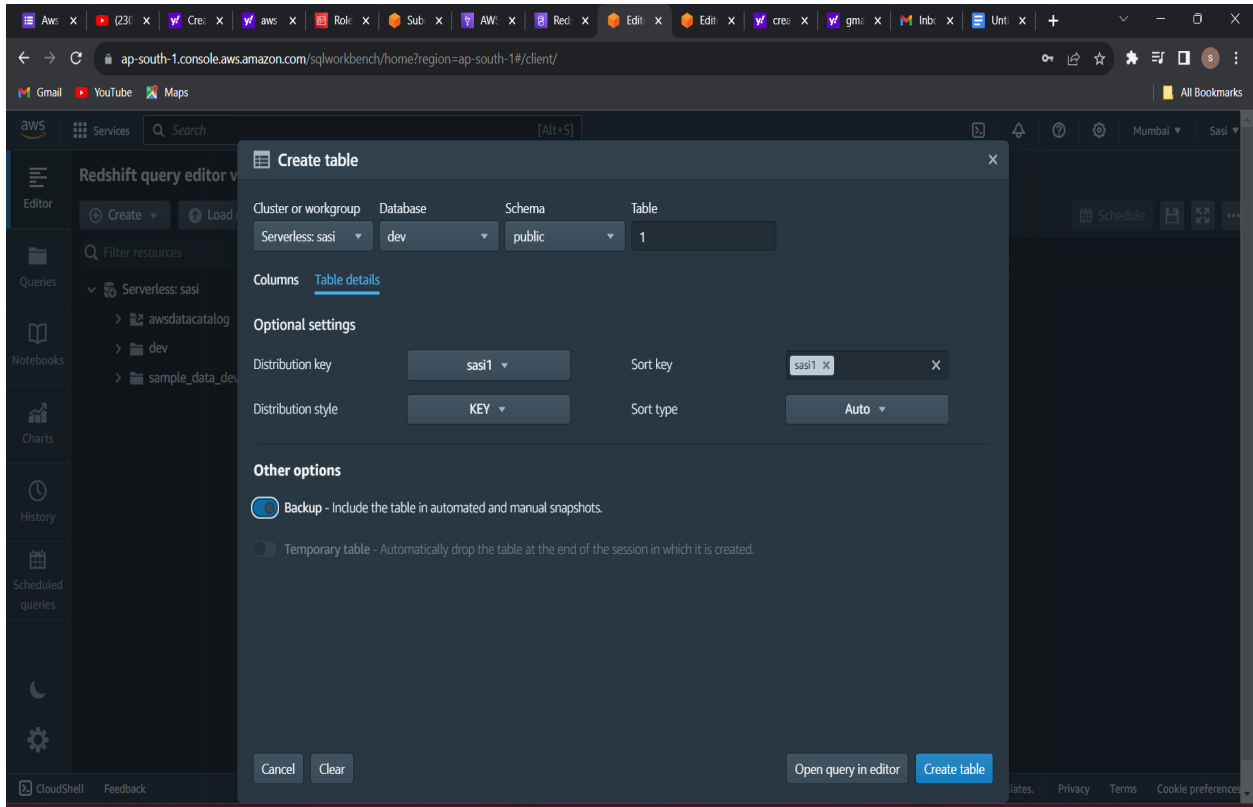


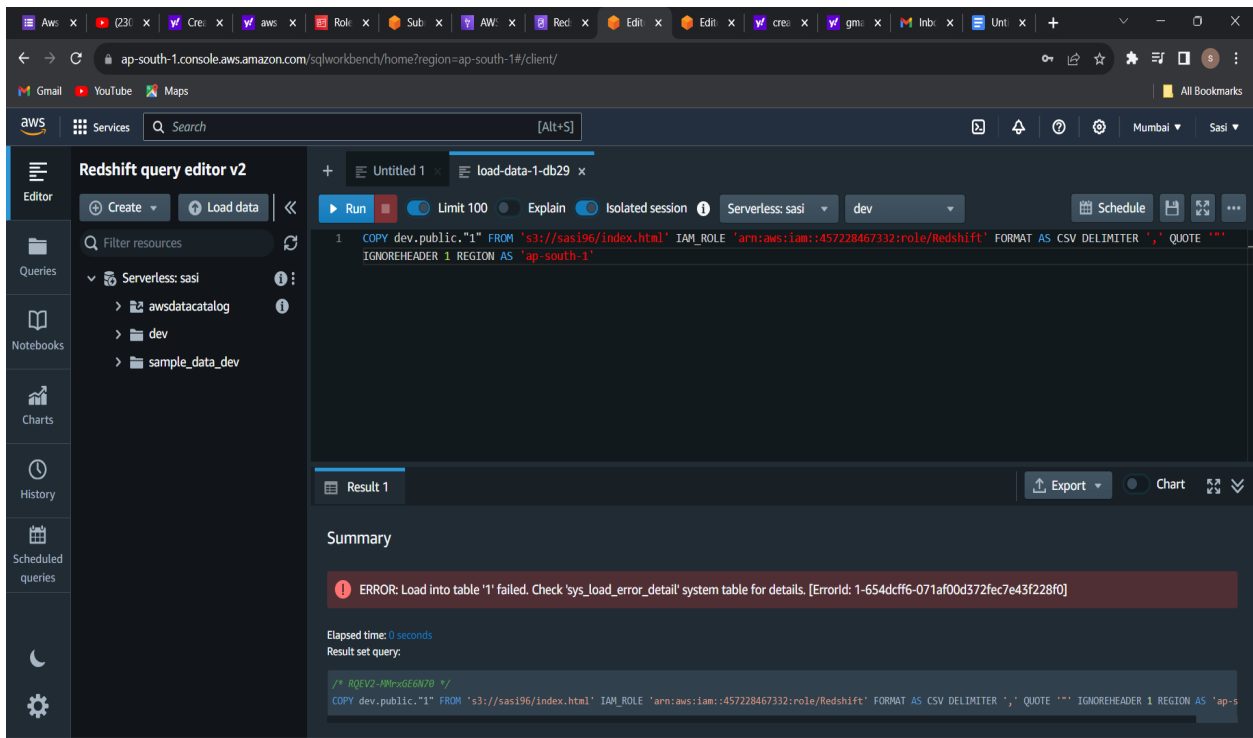
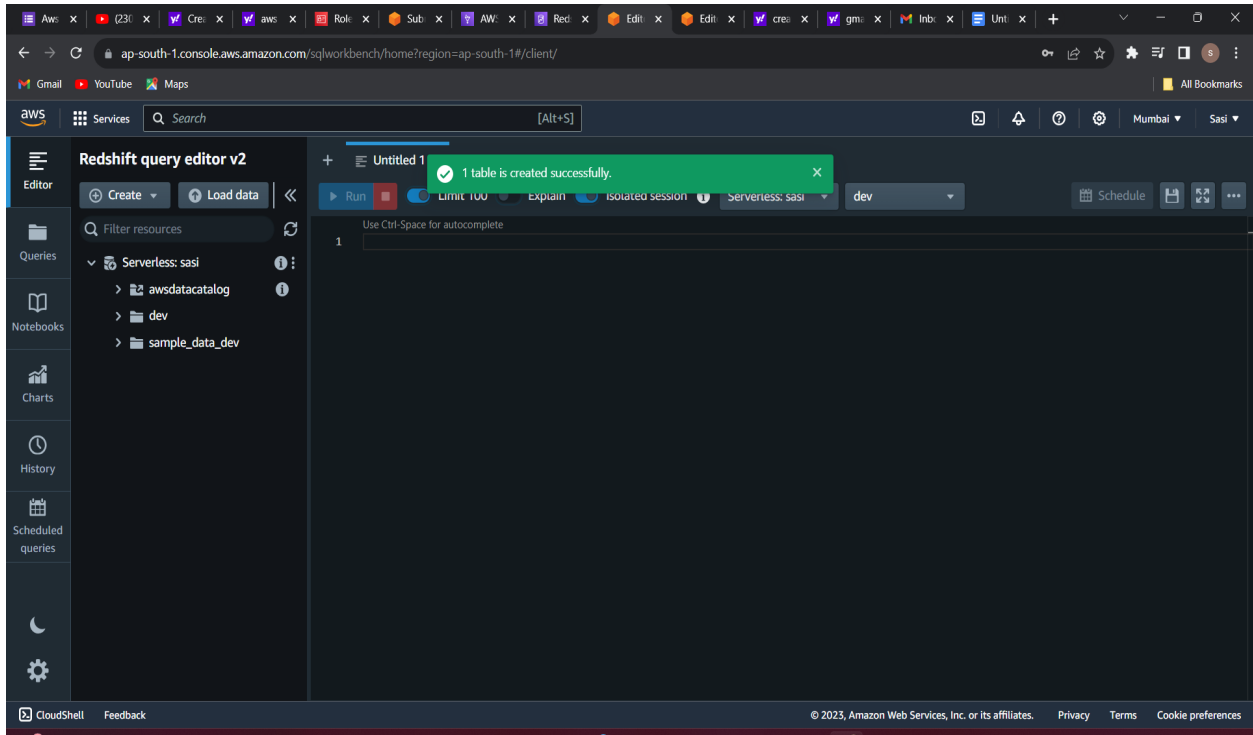




Load data from s3 bucket.







Here you will turn your data into queries and charts.

