



Ganpat University

॥ विद्यया समाजोत्कर्षः ॥

Institute of Computer Technology

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Sub: CCE(Cloud Computing Essentials)

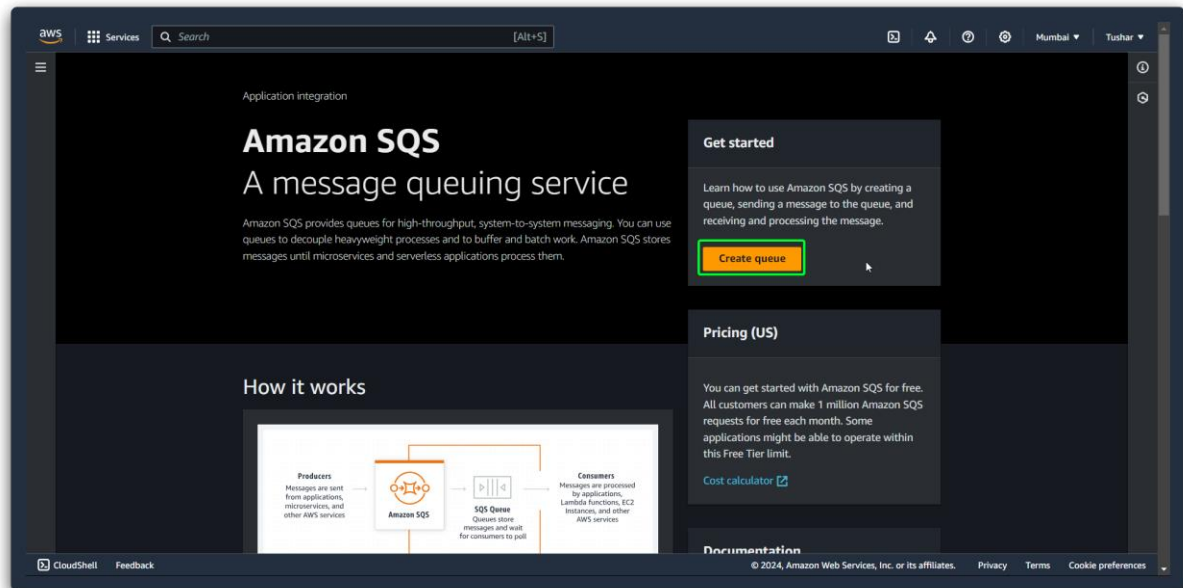
Branch: CBA

Batch:61

PRACTICAL 09

Demonstration of SQS service. Configure and send/receive messages in a queue.

» **Navigate to SQS (Simple Queue Service) service in catalogue and hit create button**



Give it a name and select standard in type

Create queue

Details

Type

Choose the queue type for your application or cloud infrastructure.

☒ **Standard** Info
At-least-once delivery, message ordering isn't preserved

- At-least once delivery
- Best-effort ordering

☐ **FIFO** Info
First-in-first-out delivery, message ordering is preserved

- First-in-first-out delivery
- Exactly-once processing

You can't change the queue type after you create a queue.

Name

TusharQueue

A queue name is case-sensitive and can have up to 80 characters. You can use alphanumeric characters, hyphens (-), and underscores (_).

Configuration Info
Set the maximum message size, visibility to other consumers, and message retention.

Visibility timeout Message retention period

Set encryption as disabled

Encryption Info
Amazon SQS provides in-transit encryption by default. To add at-rest encryption to your queue, enable server-side encryption.

Server-side encryption

☒ Disabled

☐ Enabled

Access policy Info
Define who can access your queue.

Choose method

☒ **Basic**
Use simple criteria to define a basic access policy.

☐ **Advanced**
Use a JSON object to define an advanced access policy.

Define who can send messages to the queue

☒ Only the queue owner
Only the owner of the queue can send messages to the queue.

☐ Only the specified AWS accounts, IAM users and roles
Only the specified AWS account IDs, IAM users and roles can send messages to the queue.

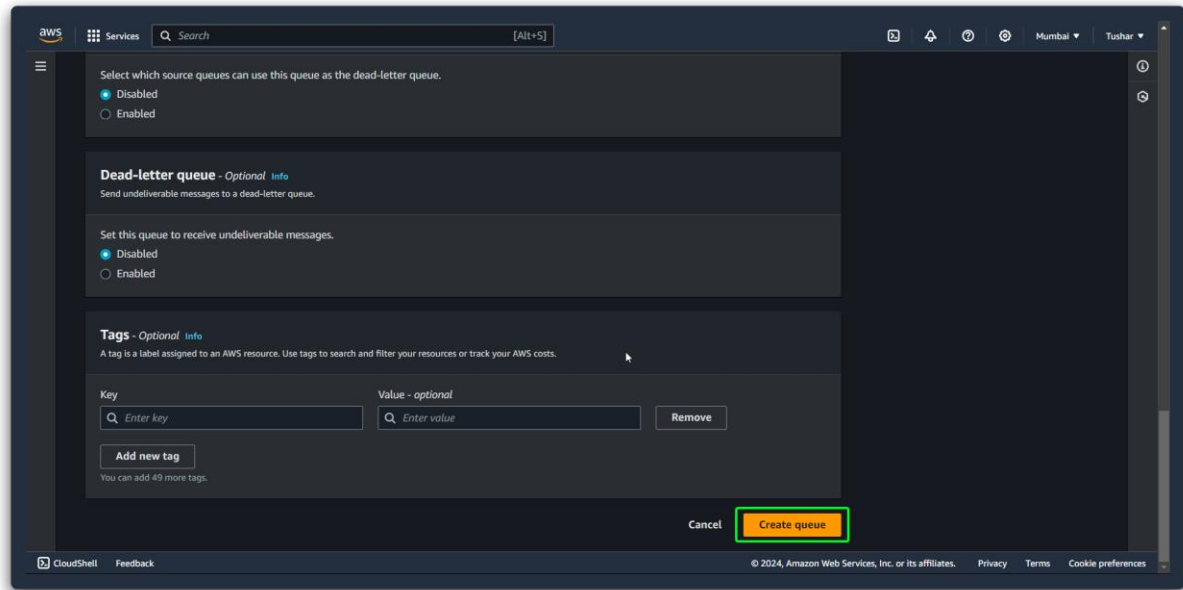
Define who can receive messages from the queue

☒ Only the queue owner

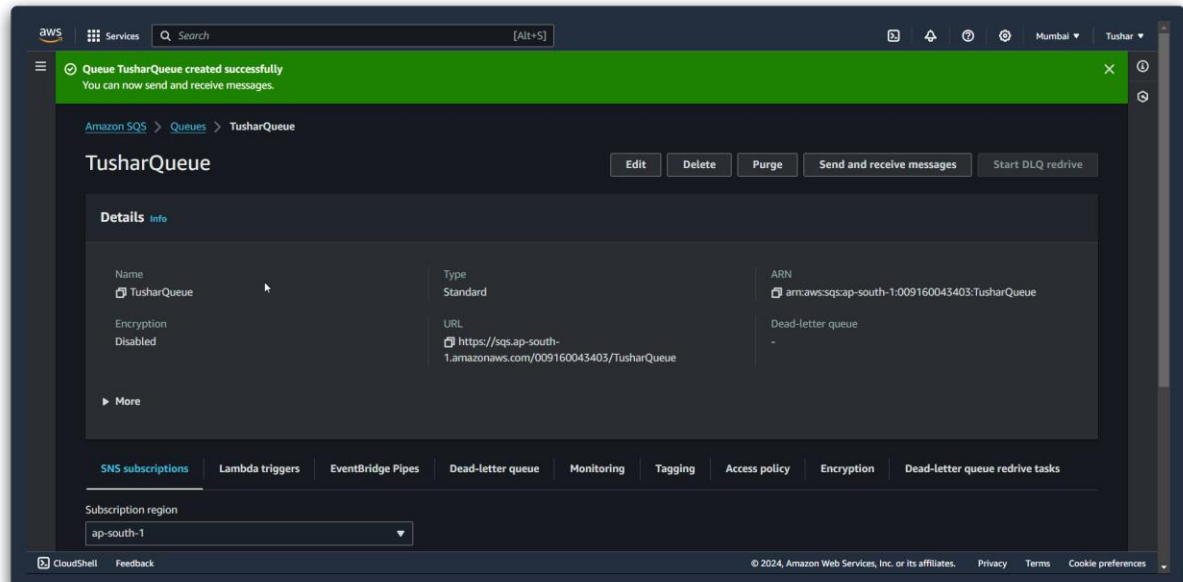
JSON (read-only)

```
{
  "Version": "2012-10-17",
  "Id": "_default_policy_ID",
  "Statement": [
    {
      "Sid": "_owner_statement",
      "Effect": "Allow",
      "Principal": {
        "AWS": "*"
      },
      "Action": "sqs:*",
      "Resource": "*"
    }
  ]
}
```

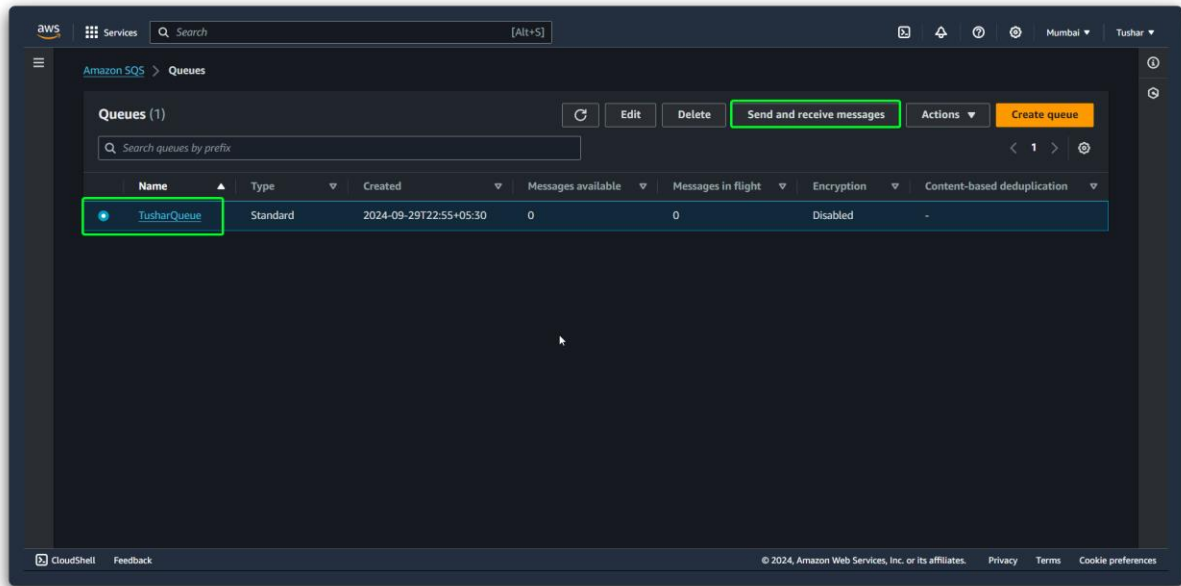
Then don't do any other changes simply hit create queue button



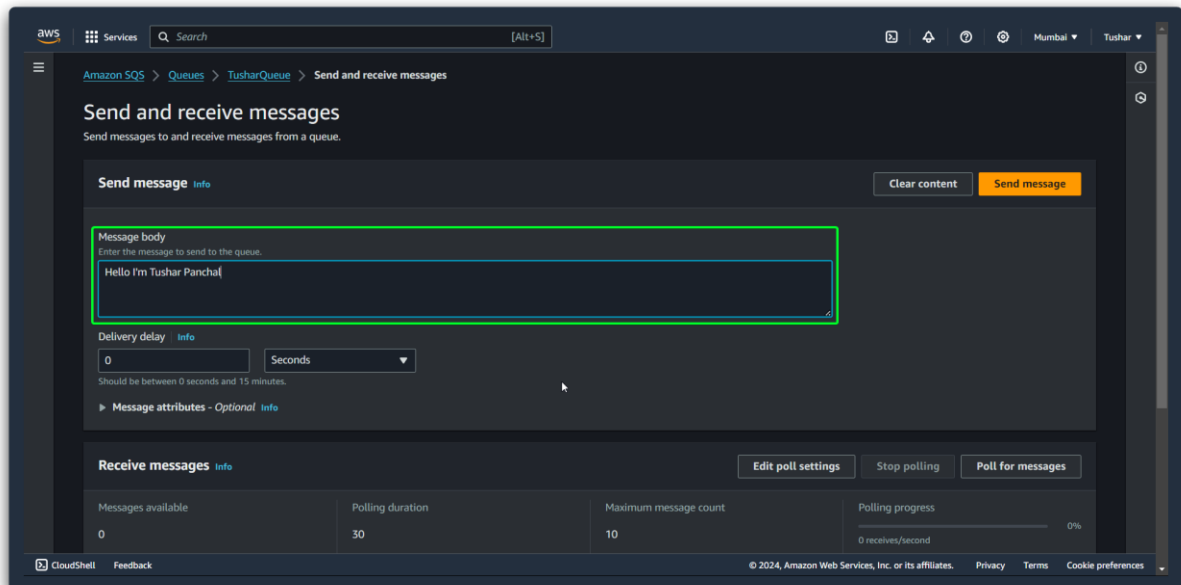
As you can see below my queue has been created successfully



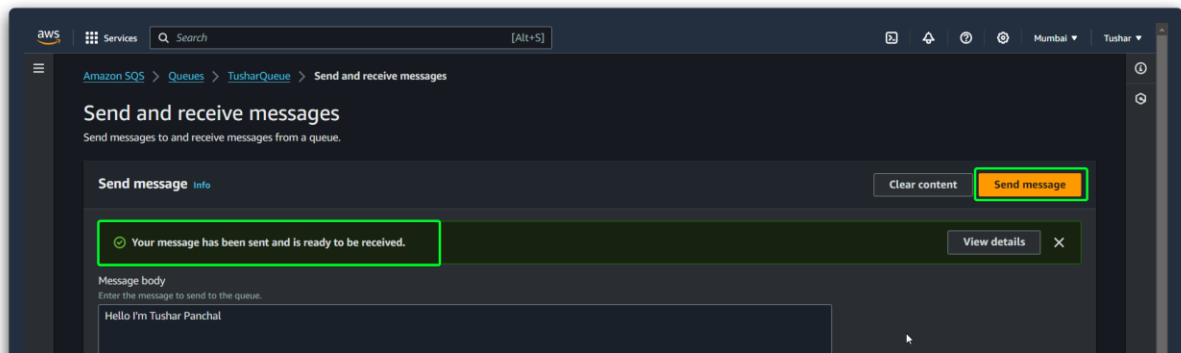
Now select created queue and hit send and receive messages button



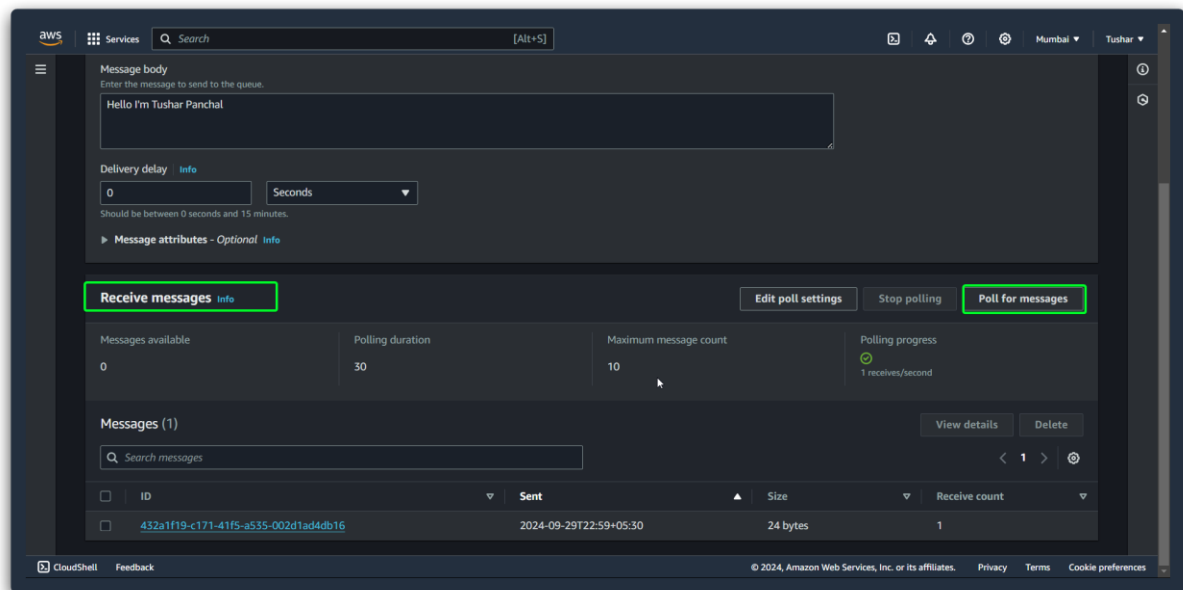
In message body Enter the message to send to the queue .



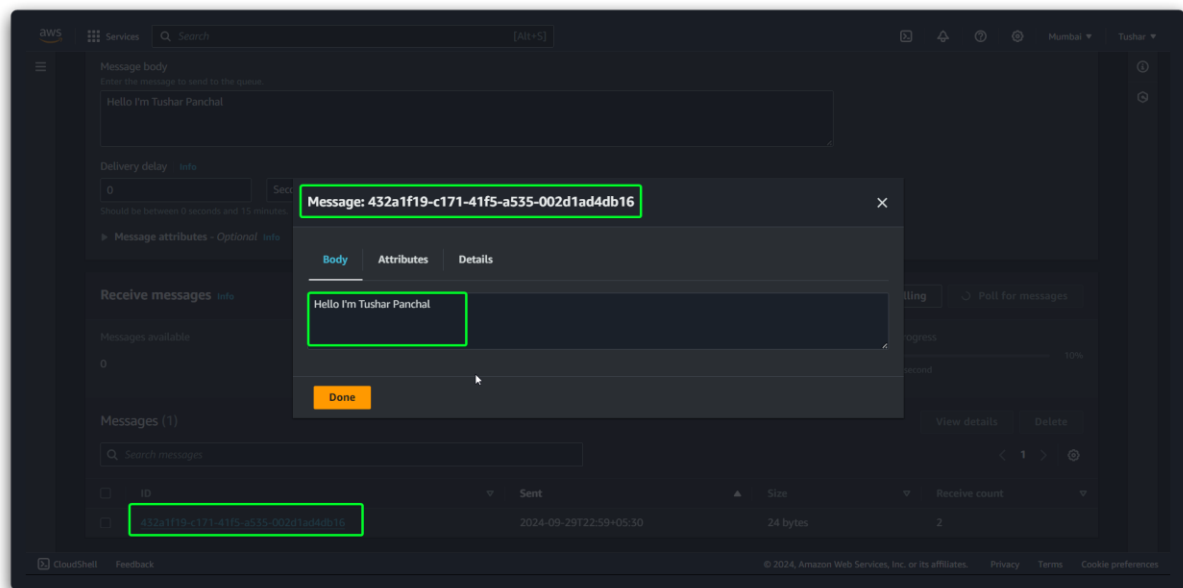
Now hit send message button



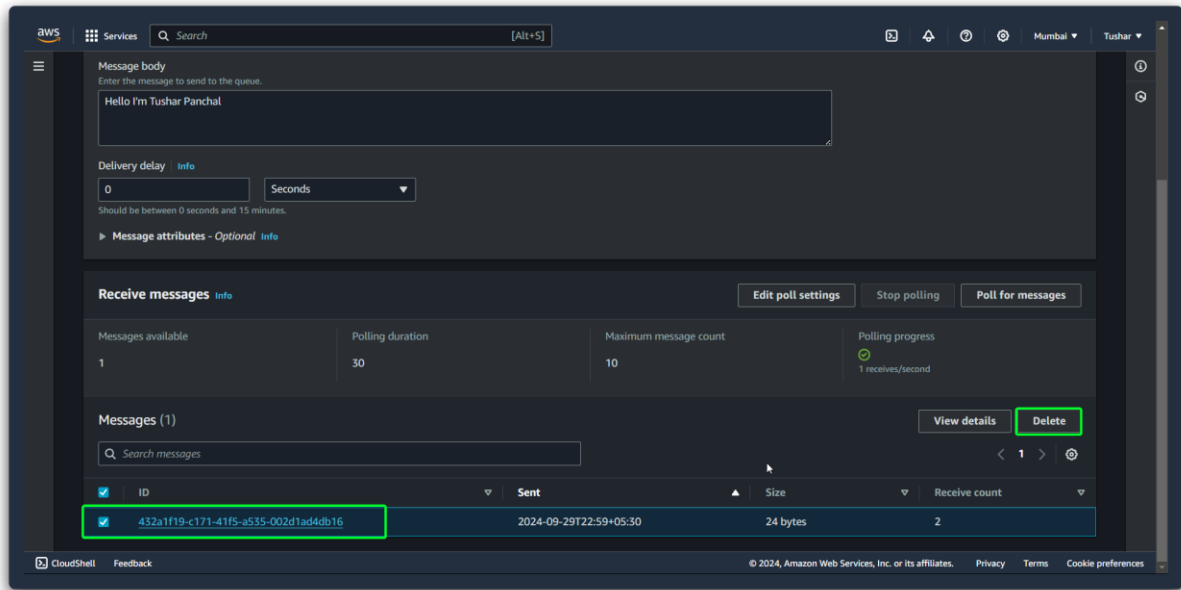
Its sent and now it's ready to receive click on “poll for message”



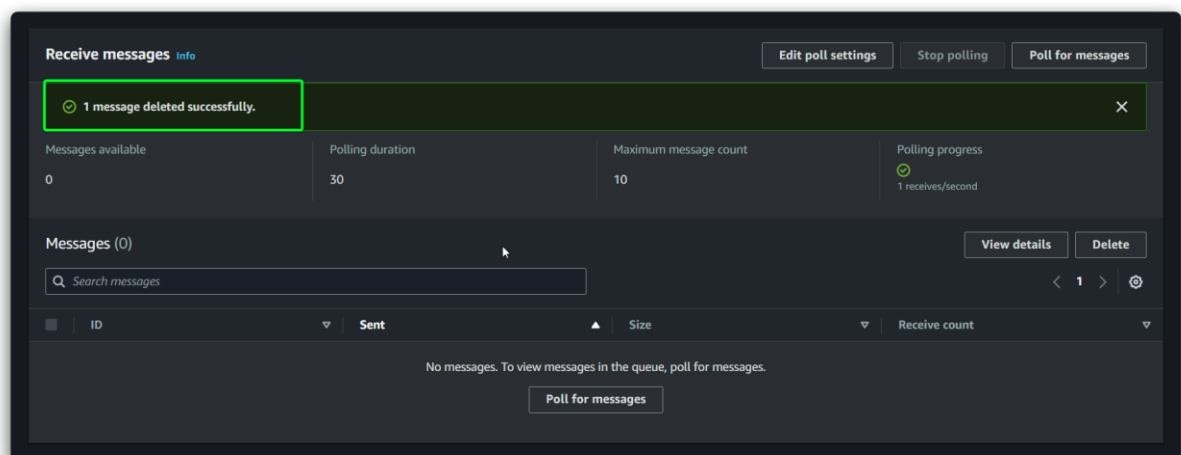
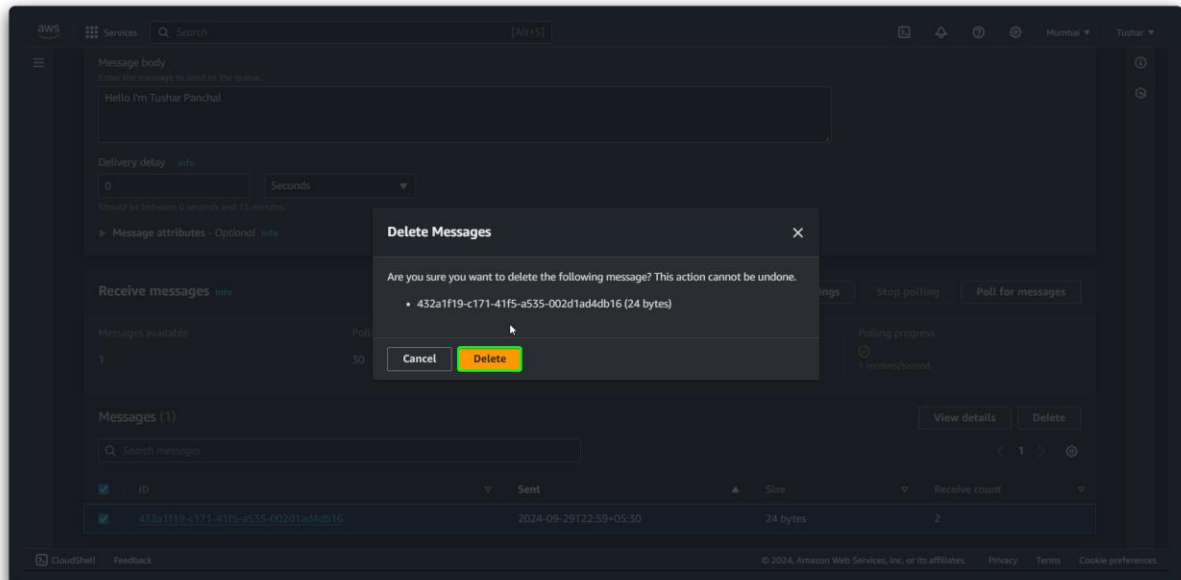
We can see our message below that we have sent before



Now delete the message select the message and click on delete



Hit delete button to delete message



As you can see above our message has been deleted successfully.