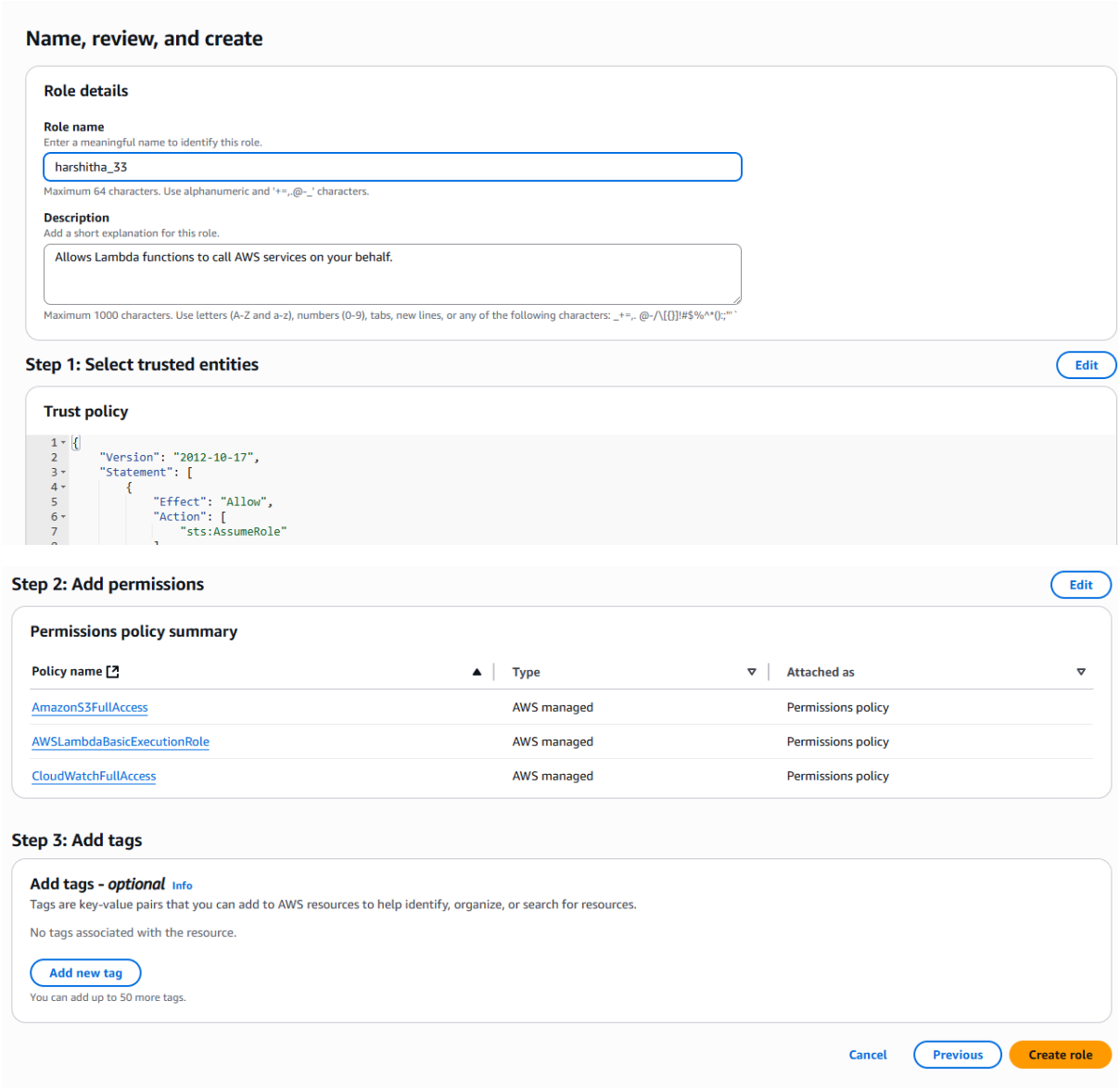
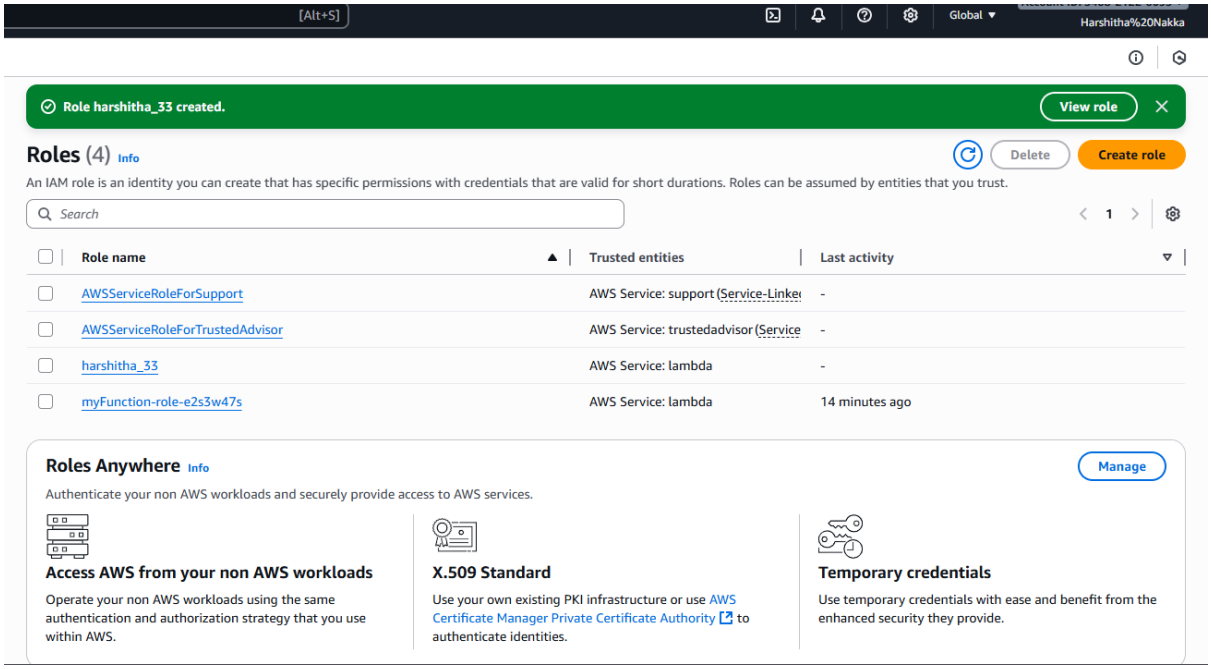
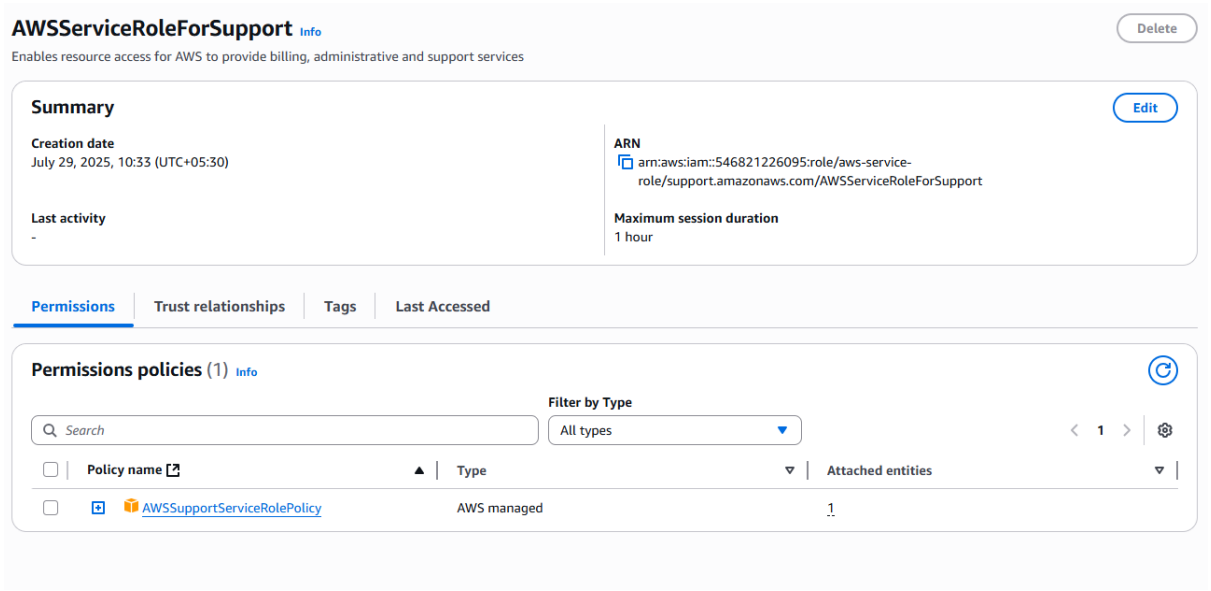
Experiment 12

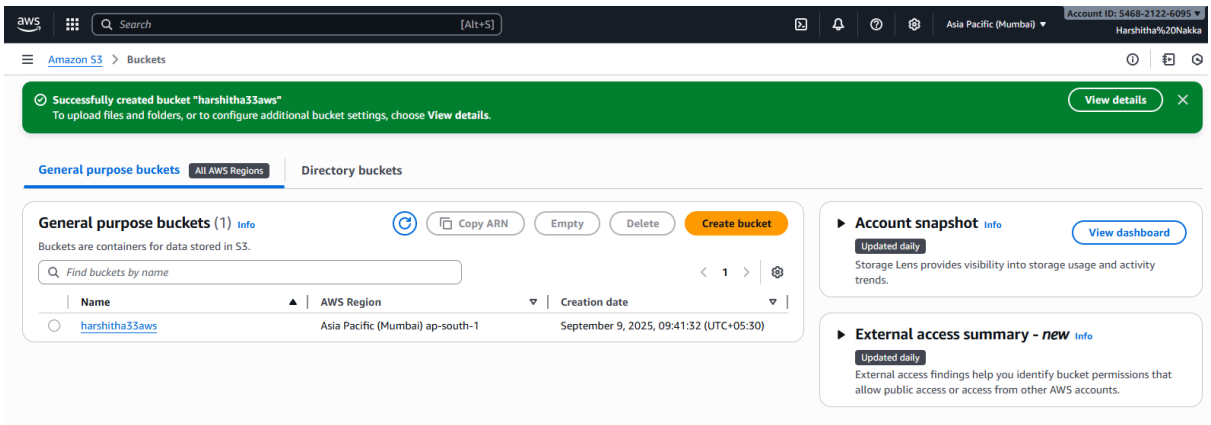
Step 1: Create an IAM role with three policies : s3fullaccess,cloudwatchfull access. AwsLambdaBasicExecutionRole



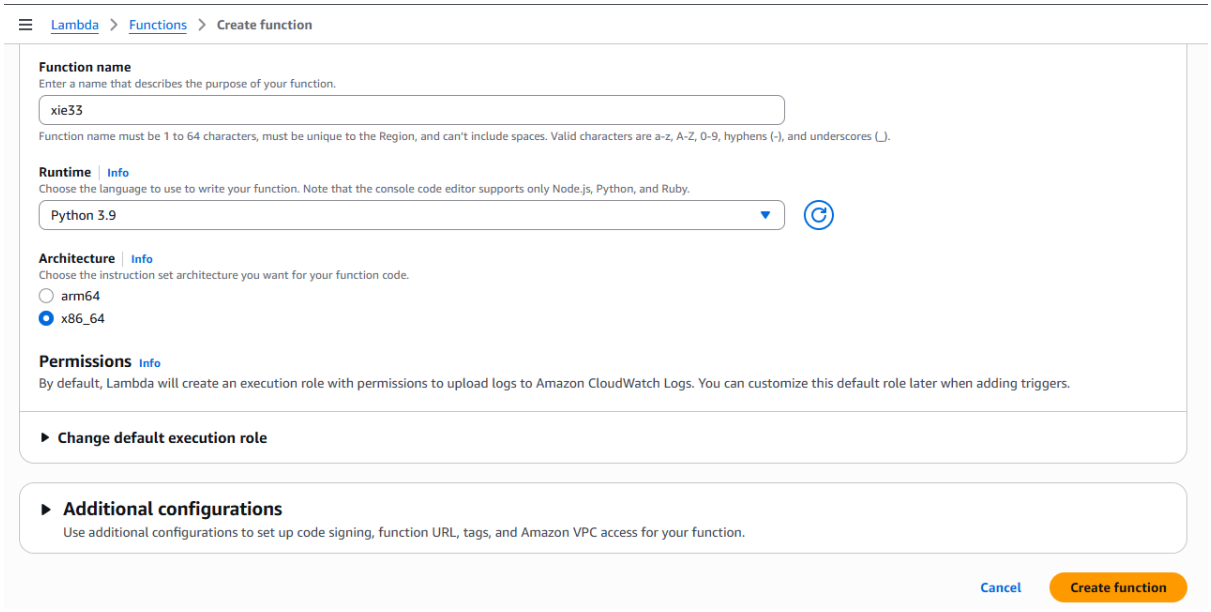


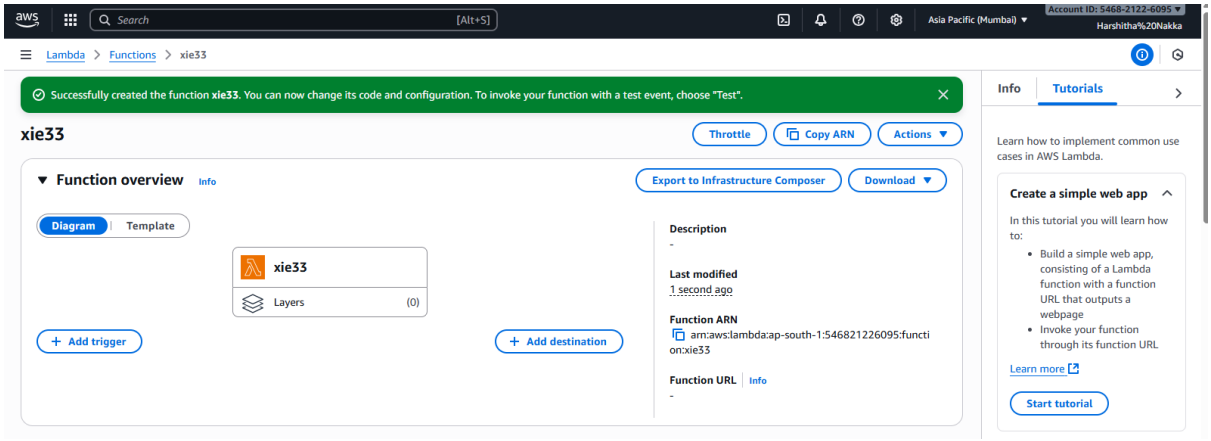


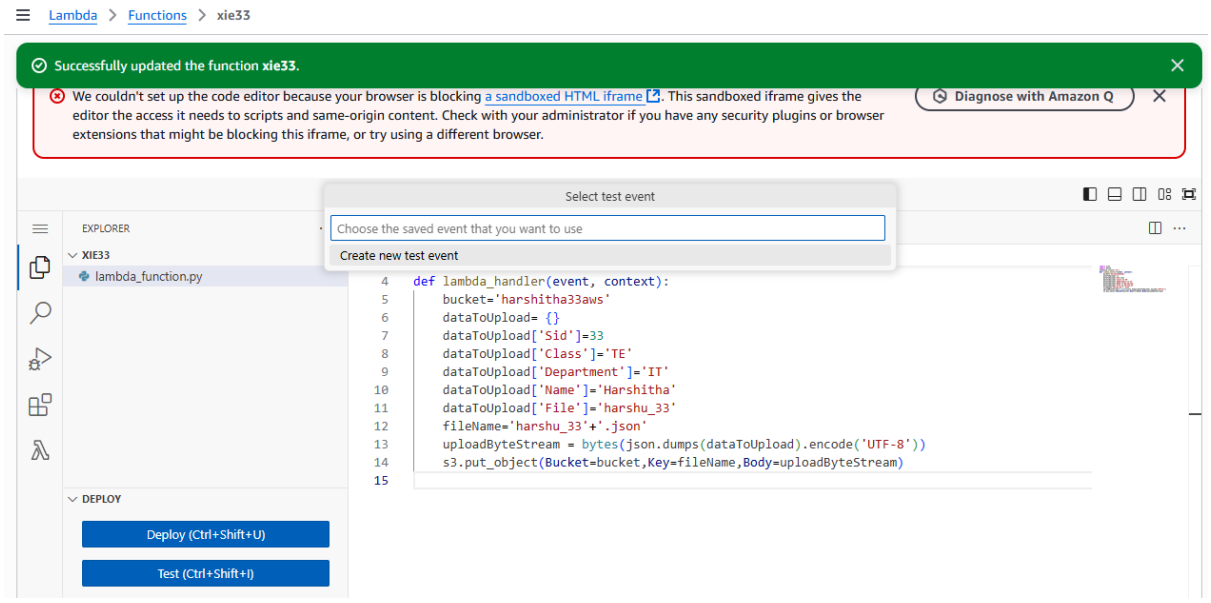
Step2: Create an Empty Bucket using s3

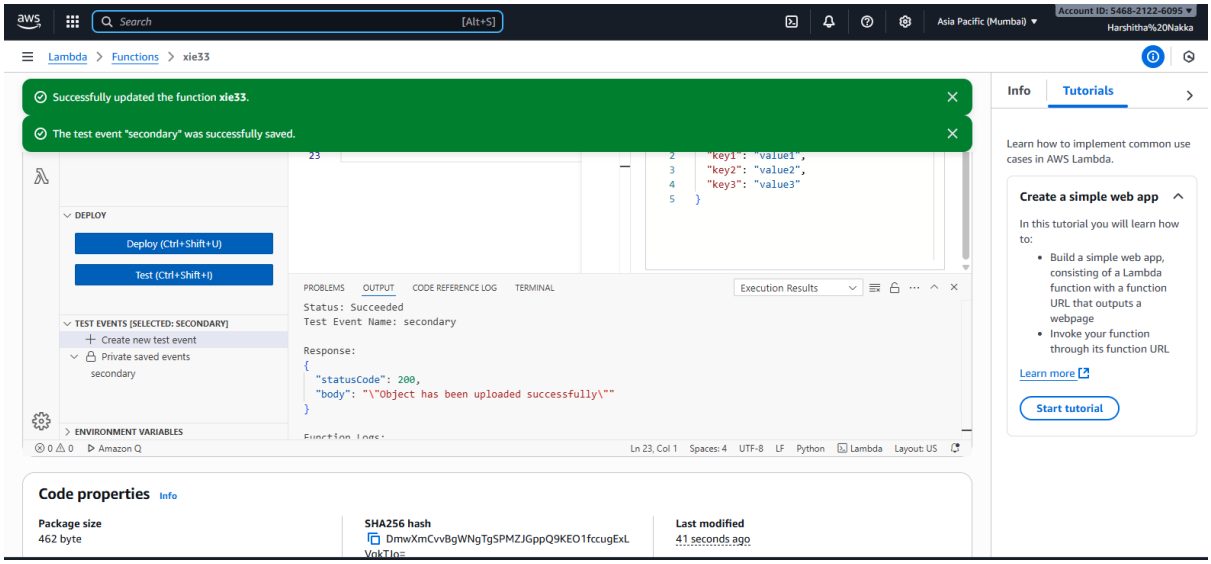


Step3: Create a Lambda Function

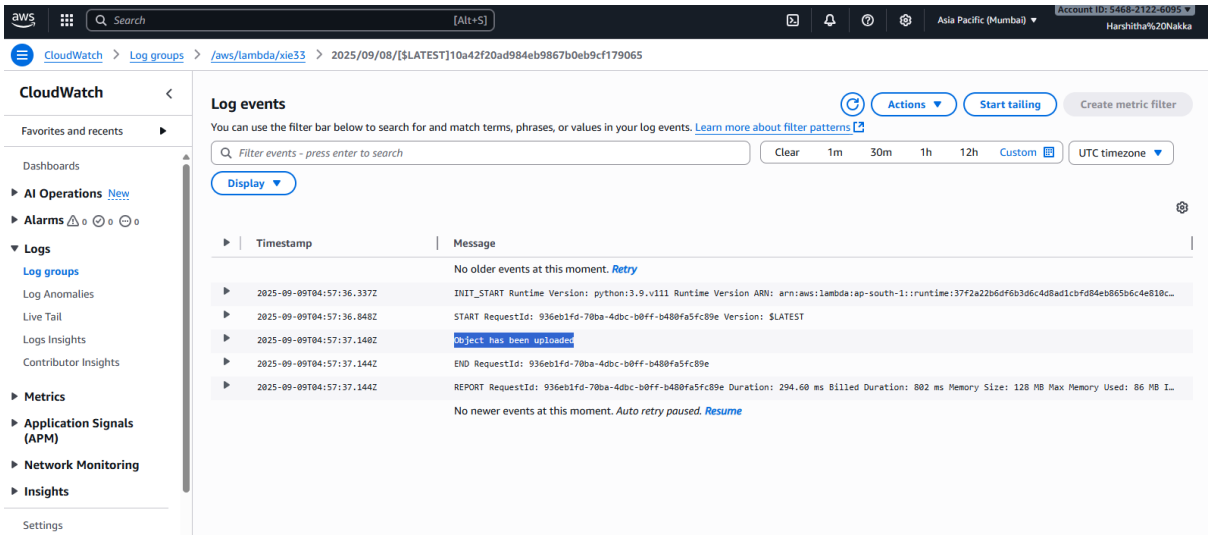

Lambda > Functions > Create function
Function name
Enter a name that describes the purpose of your function.
xie33
Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).
Runtime | Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.9
Architecture | Info
Choose the instruction set architecture you want for your function code.
arm64
x86_64
Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.
Change default execution role
Additional configurations
Use additional configurations to set up code signing, function URL, tags, and Amazon VPC access for your function.
Cancel
Create function


Search
[Alt+S]
Asia Pacific (Mumbai)
Harshitha%20Nakka
Lambda > Functions > xie33
Successfully created the function xie33. You can now change its code and configuration. To invoke your function with a test event, choose "Test".
xie33
Throttle
Copy ARN
Actions
Function overview Info
Export to Infrastructure Composer
Download
Diagram
Template
xie33
Layers (0)
Add trigger
Add destination
Description
-
Last modified
1 second ago
Function ARN
arn:aws:lambda:ap-south-1:546821226095:function:xie33
Function URL | Info
-
Info
Tutorials
Learn how to implement common use cases in AWS Lambda.
Create a simple web app
In this tutorial you will learn how to:
Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
Invoke your function through its function URL
Learn more
Start tutorial


Lambda > Functions > xie33
Successfully updated the function xie33.
We couldn't set up the code editor because your browser is blocking a sandboxed HTML iframe. This sandboxed iframe gives the editor the access it needs to scripts and same-origin content. Check with your administrator if you have any security plugins or browser extensions that might be blocking this iframe, or try using a different browser.
Diagnose with Amazon Q
Select test event
Choose the saved event that you want to use
Create new test event
EXPLORER
XIE33
lambda_function.py
DEPLOY
Deploy (Ctrl+Shift+U)
Test (Ctrl+Shift+I)
4 def lambda_handler(event, context):
5 bucket='harshitha33aws'
6 dataToUpload= {}
7 dataToUpload['Sid']=33
8 dataToUpload['Class']='TE'
9 dataToUpload['Department']='IT'
10 dataToUpload['Name']='Harshitha'
11 dataToUpload['File']='harshu_33'
12 fileName='harshu_33'+'.json'
13 uploadByteStream = bytes(json.dumps(dataToUpload).encode('UTF-8'))
14 s3.put_object(Bucket=bucket,Key=fileName,Body=uploadByteStream)
15



Step 4: go to cloud watch log books to observe the log records



Step5:Go to s3 and check the empty bucket.