AWS LAMBDA

IN SIMPLE WORDS

Run code without thinking about servers, play for only the compute time you consume.

What is lambda?

- It is a server less compute.
- Automatically run code in response to multiple events.
- Lambda runs your code on high-availability compute infrastructure.
- Don't worry about administration of the compute resources.
- All you need to do is supply the code.

What language does AWS lambda supports?

- It is written in node.js (JavaScript's), python, java(Java 8 compatible), and C#
- Your code can include existing libraries, even native once. Please read our documentation on using Nodes.js, Python, Java and C #.

How does AWS Lambda secures my code?

- It is store the code in S3 and encrypts it is rest.
- It performs additional integrity checks while your code is in use.

How long my code runs in AWS Lambda function and execute?

- All calls made to AWS Lambda must complete execution within 300 seconds.
- The default time out is 3 seconds, but you can set the timeout to any value between 1 and 300 seconds.

Programming model

- **Handler**
- **Context**
- **Event**
- **Logging**
- **Exception**

Components of Lambda

- Source code where events captured (S3, Dynamo DB, Kinesis, etc...)
- Lambda service with your code.
- Cloud Watch log groups and log stream to capture logs.
- IAM role

These are the Task:

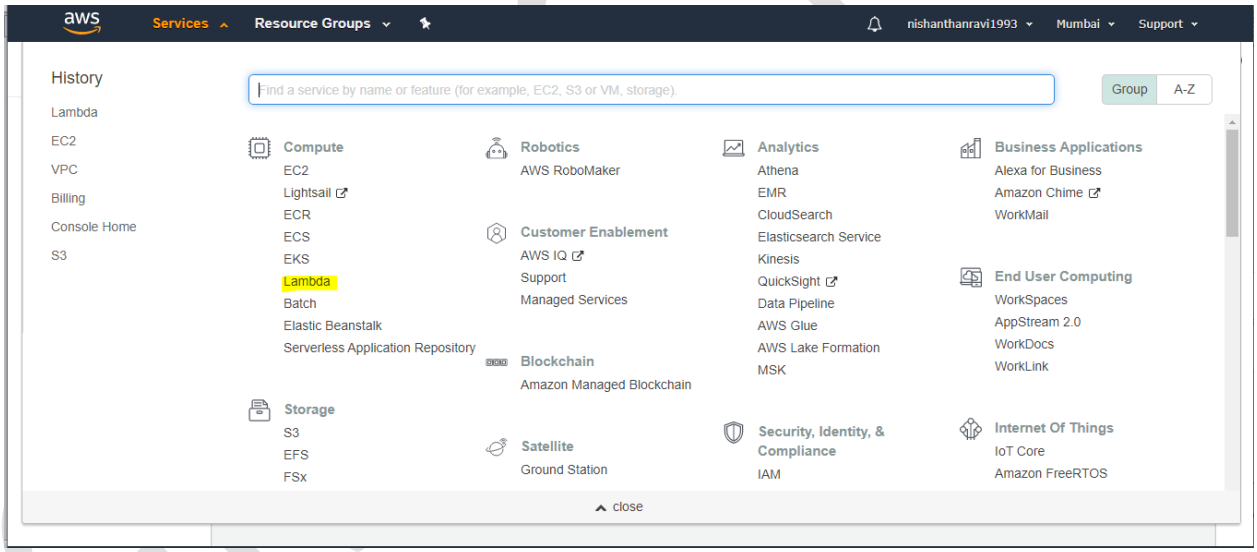
1. **Manual triggering**
2. **Scheduled base**
3. **Automatic triggering**

Manual triggering:

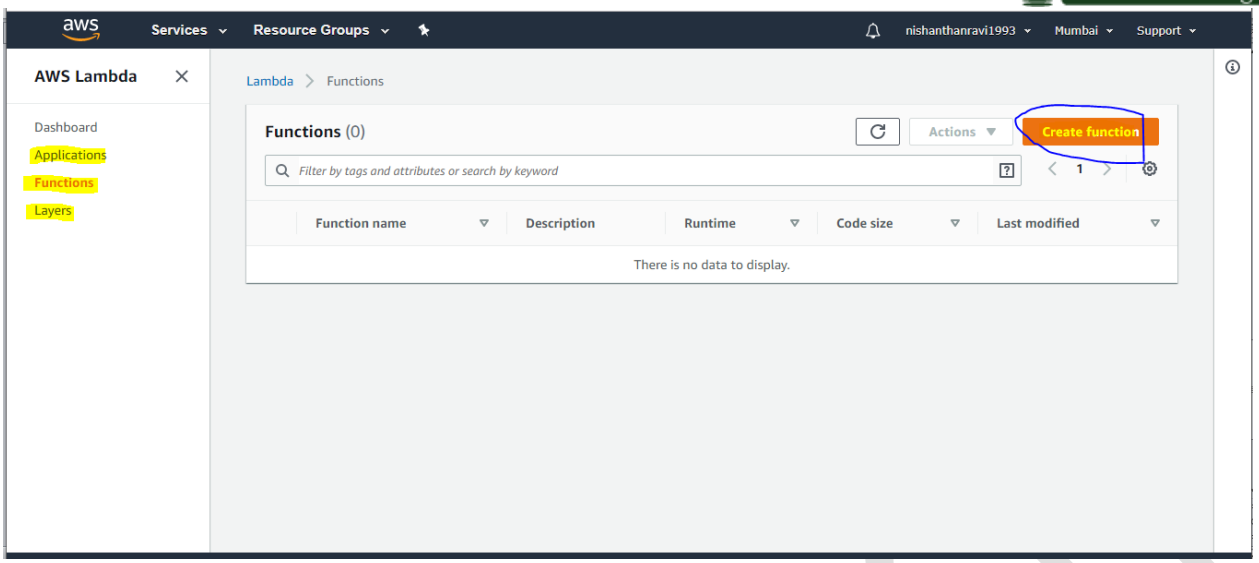
Let see the LAMBDA function

Now see the under compute

Lambda

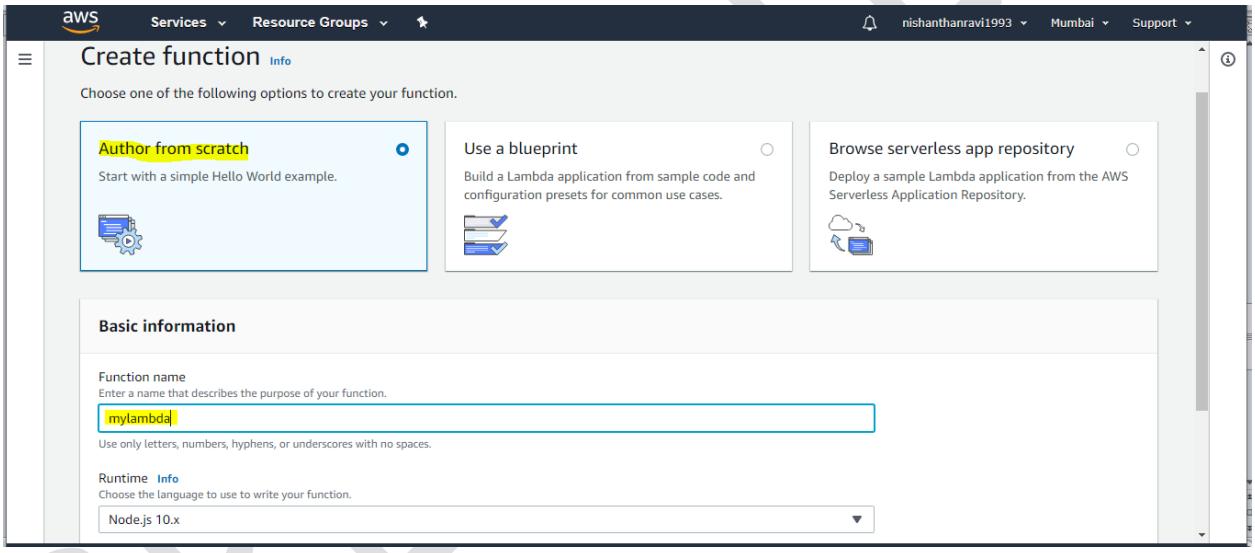


Create one function

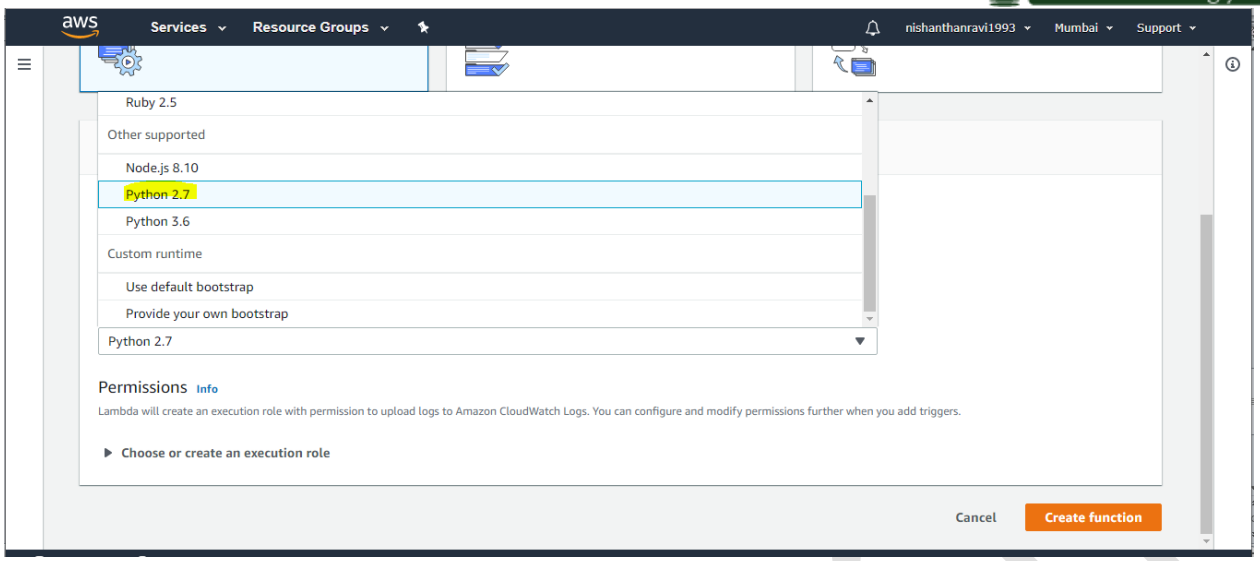


Tag the name

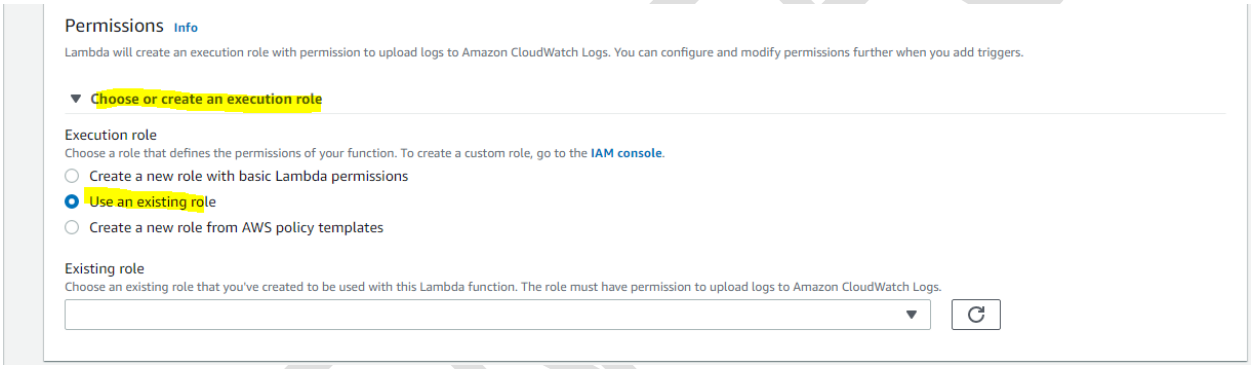
Create the function name in unique

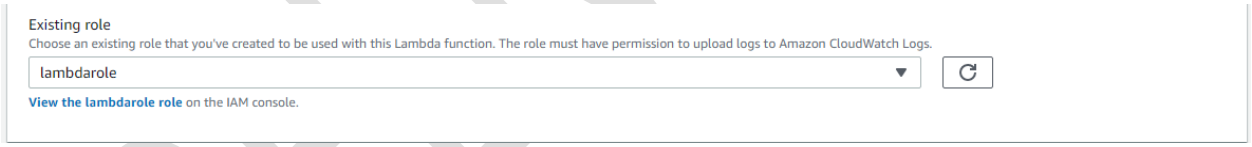


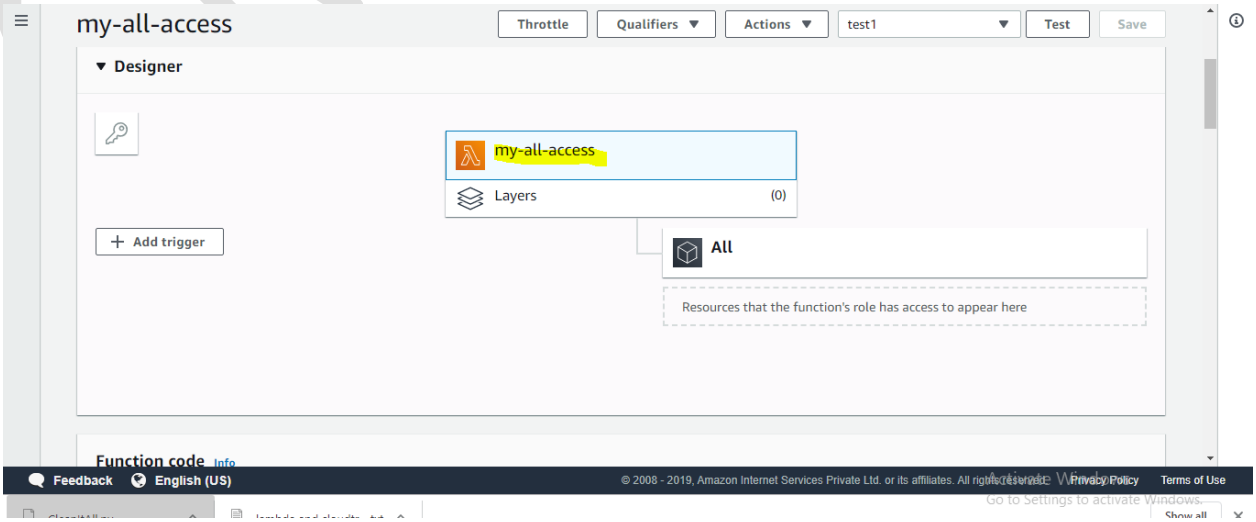
Use python2.7



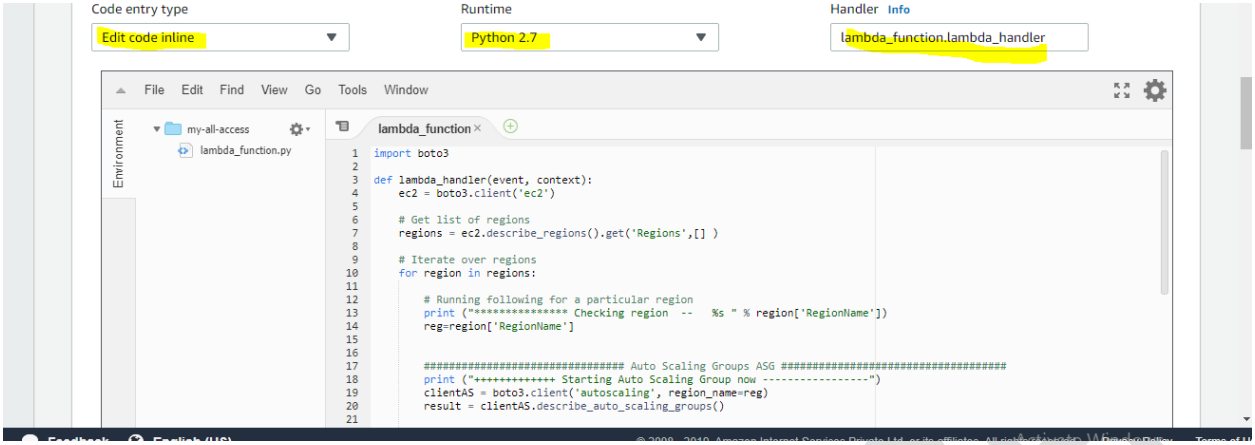
Use your IAM role



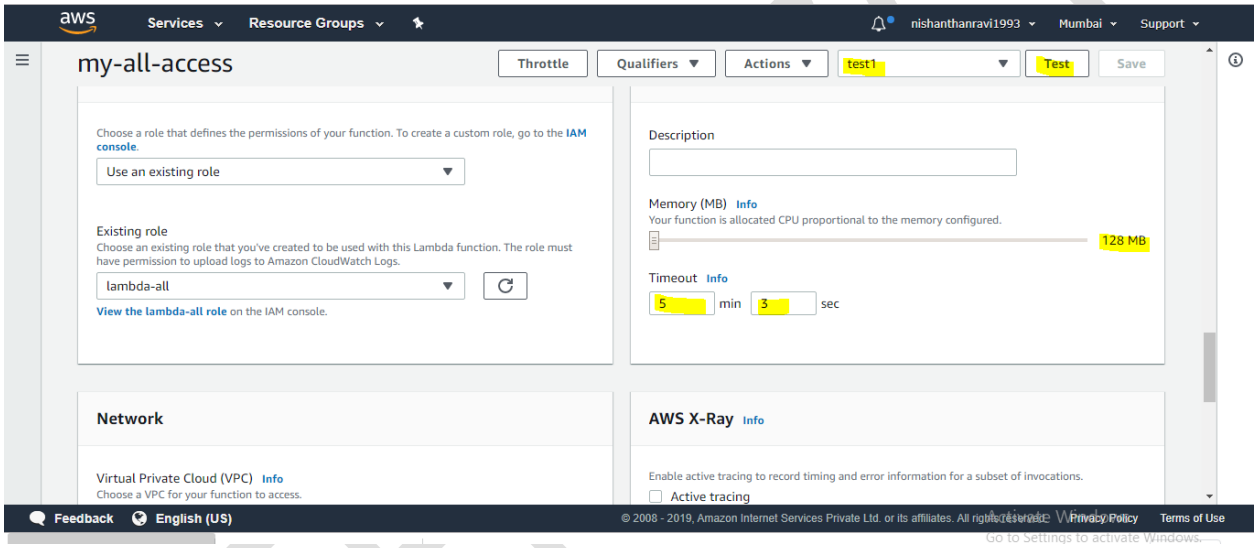




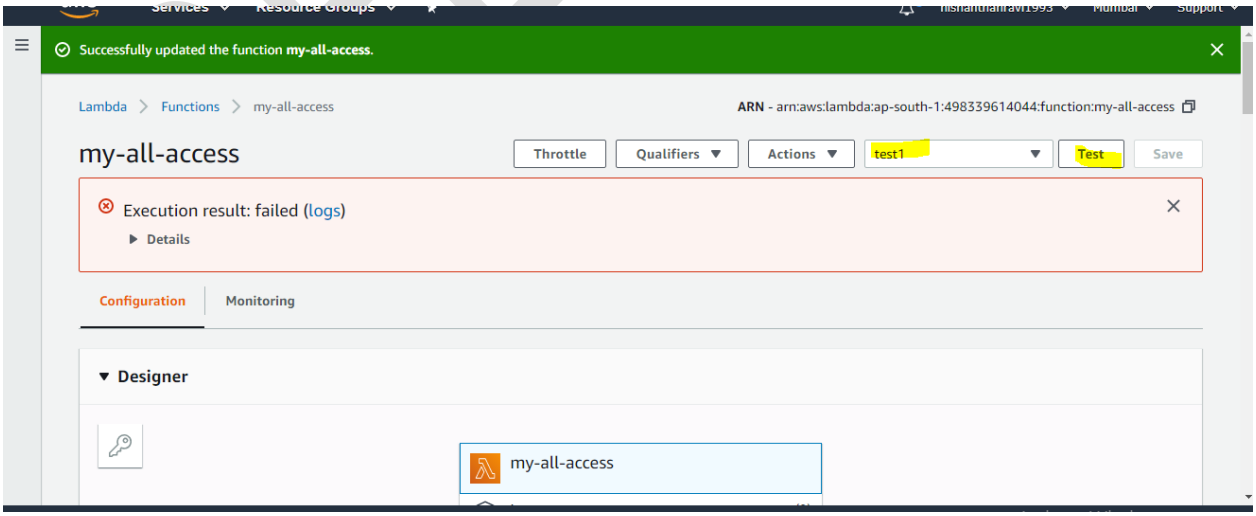
Add your code here



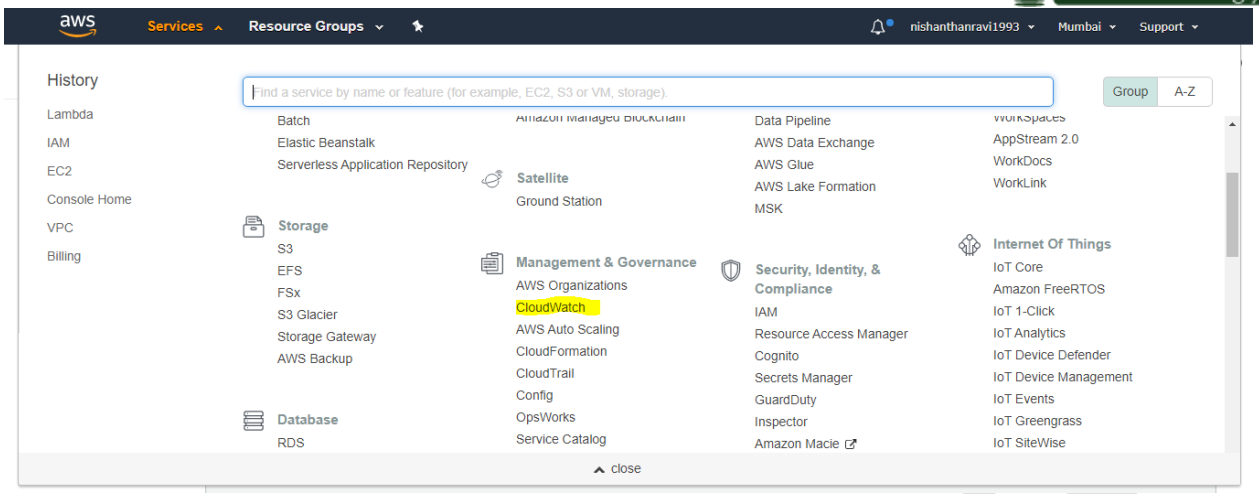
And give timing as 5mts



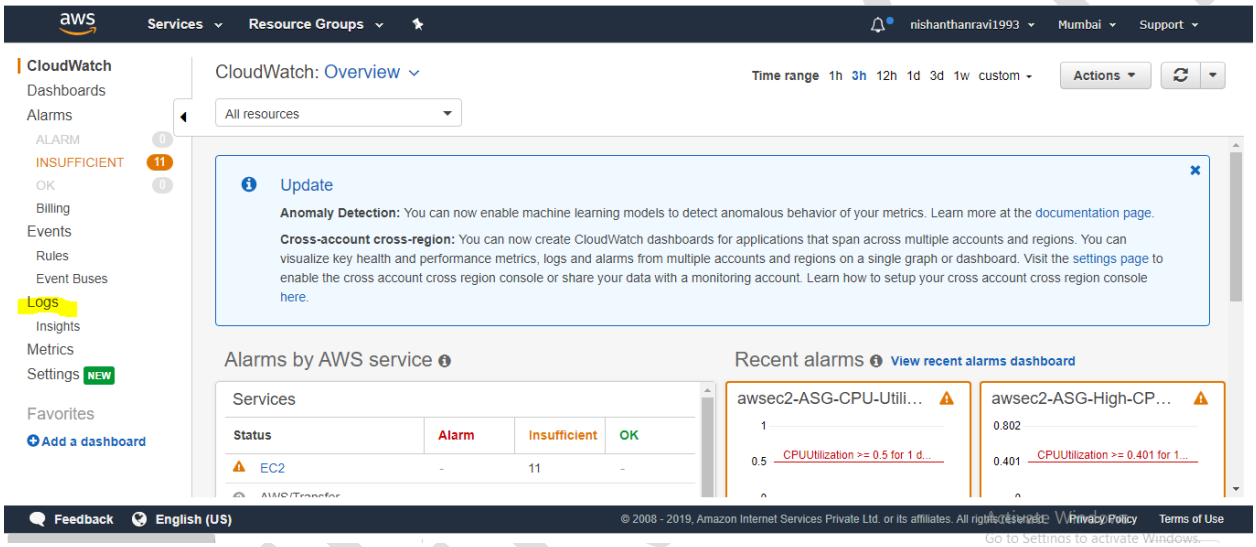
And add the event



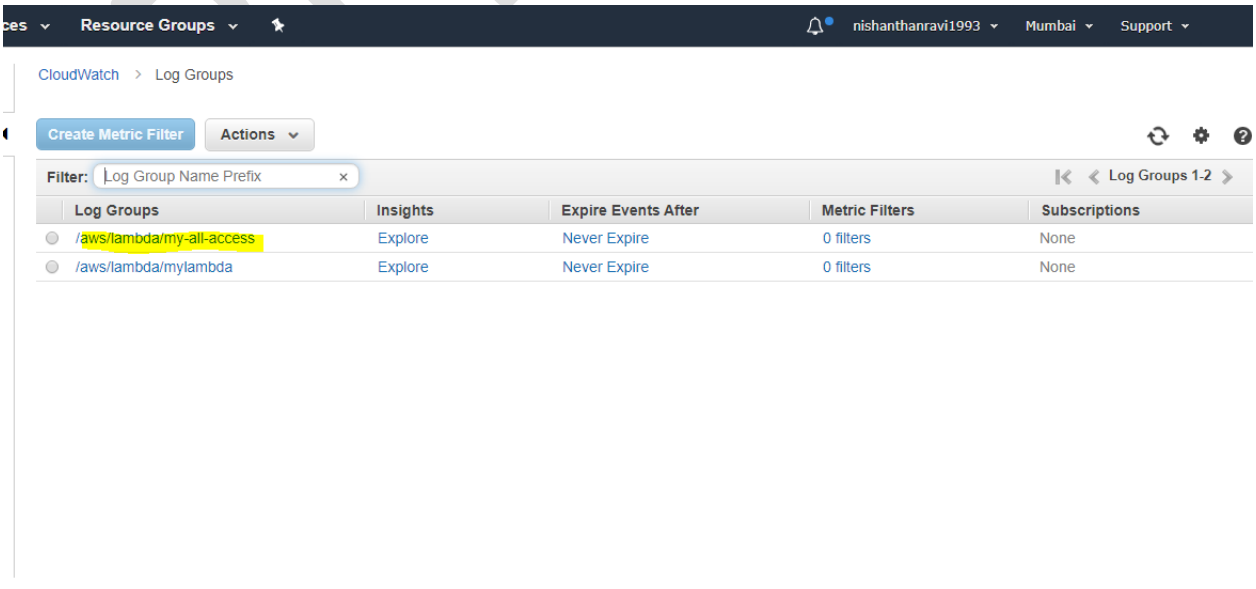
And run the code and see in the cloud watch

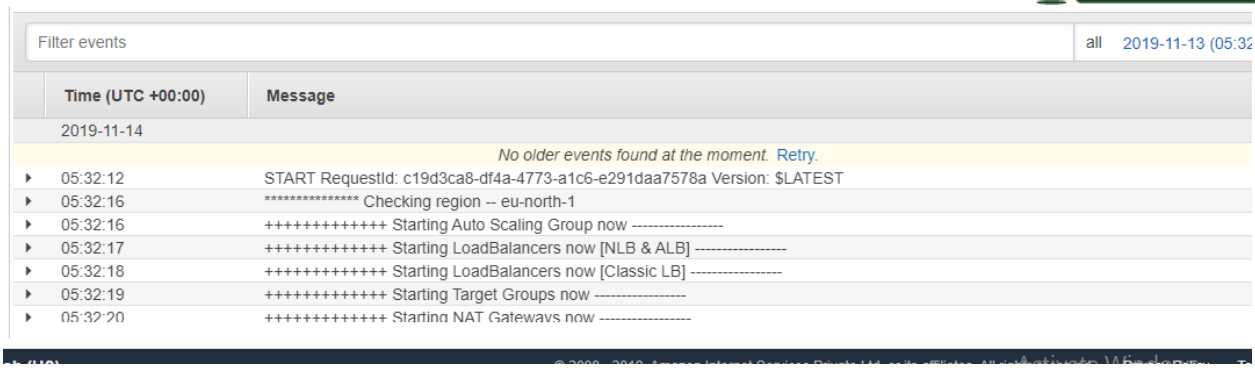


Login to service

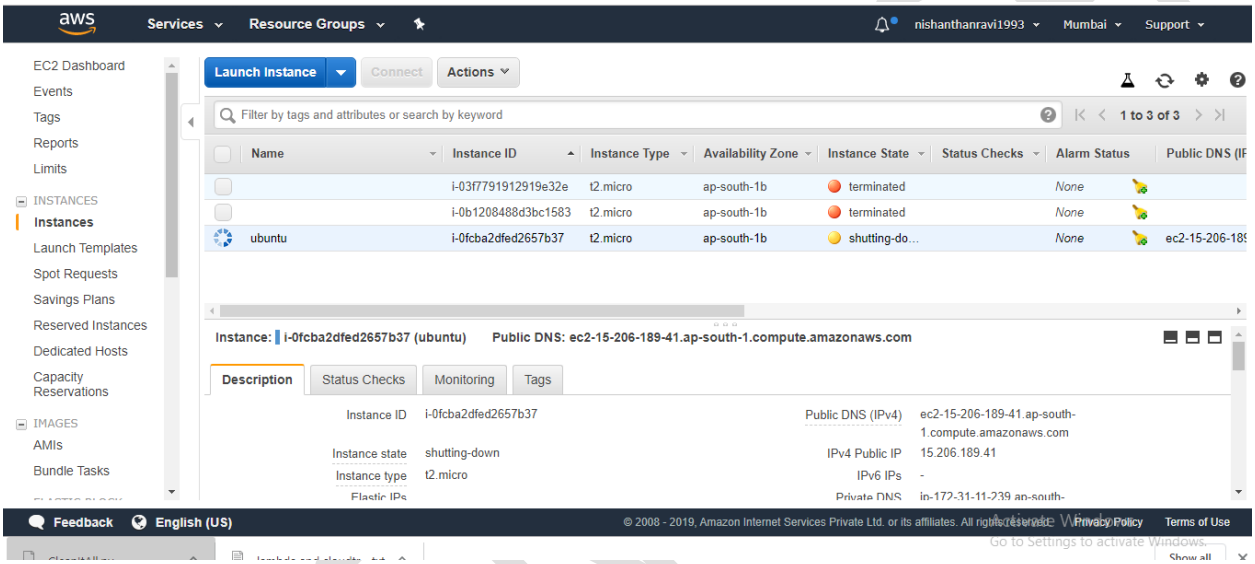


Open the file and you can see the operation is done or not



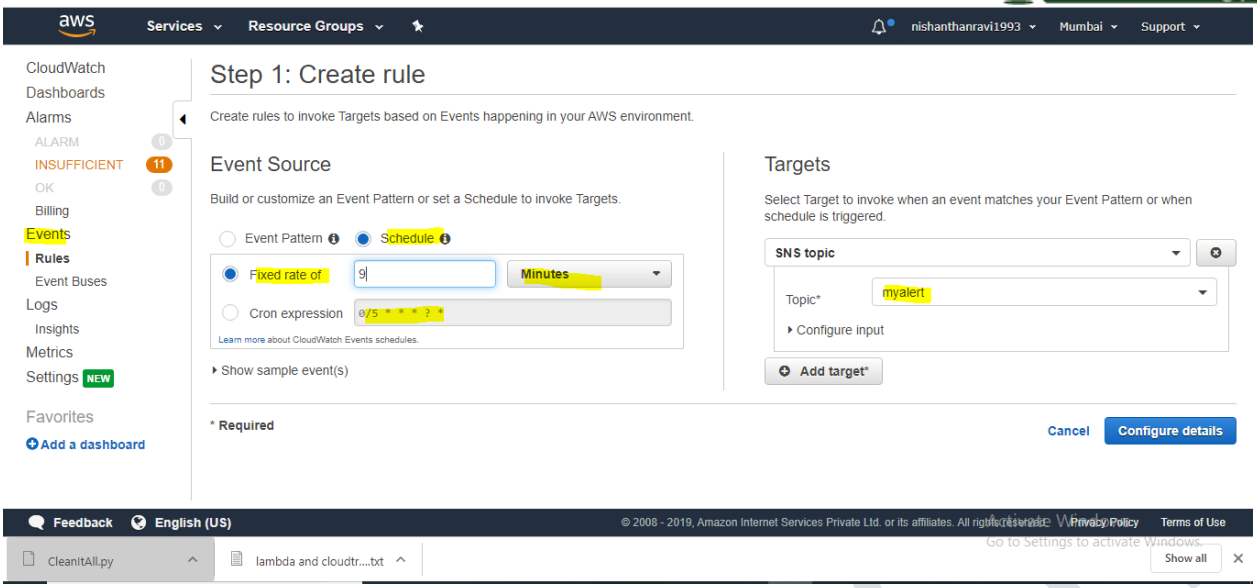


Now you can see the instance is shutting down



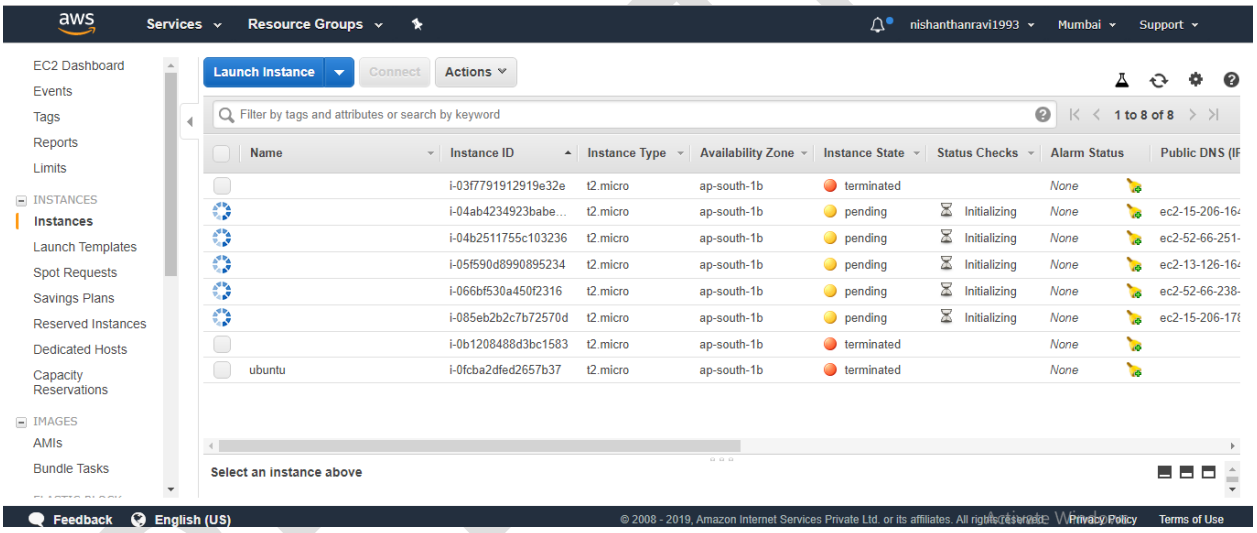
Scheduled base:

Go to events and create it

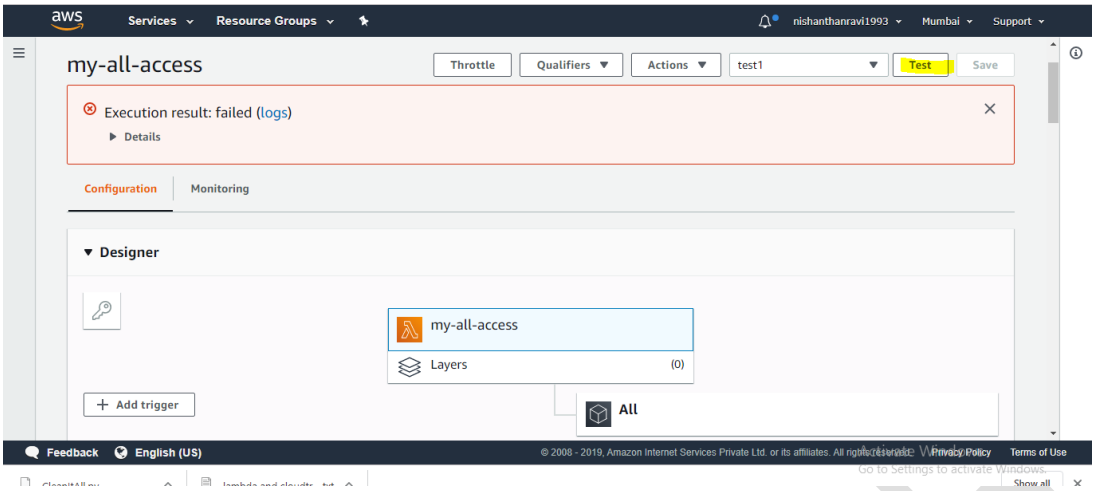


And you can add your SNS topic

Now create five instances



The code runs after 5mins


aws
Services
Resource Groups
nishanthanravi1993
Mumbai
Support
my-all-access
Throttle
Qualifiers
Actions
test1
Test
Save
Execution result: failed (logs)
Details
Configuration
Monitoring
Designer
my-all-access
Layers
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Add trigger
All
Feedback
English (US)
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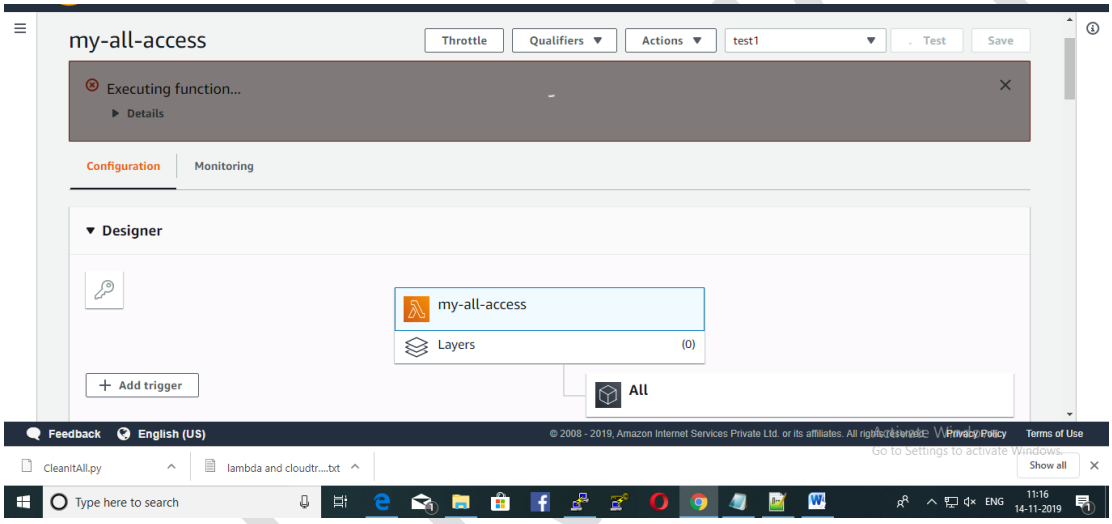
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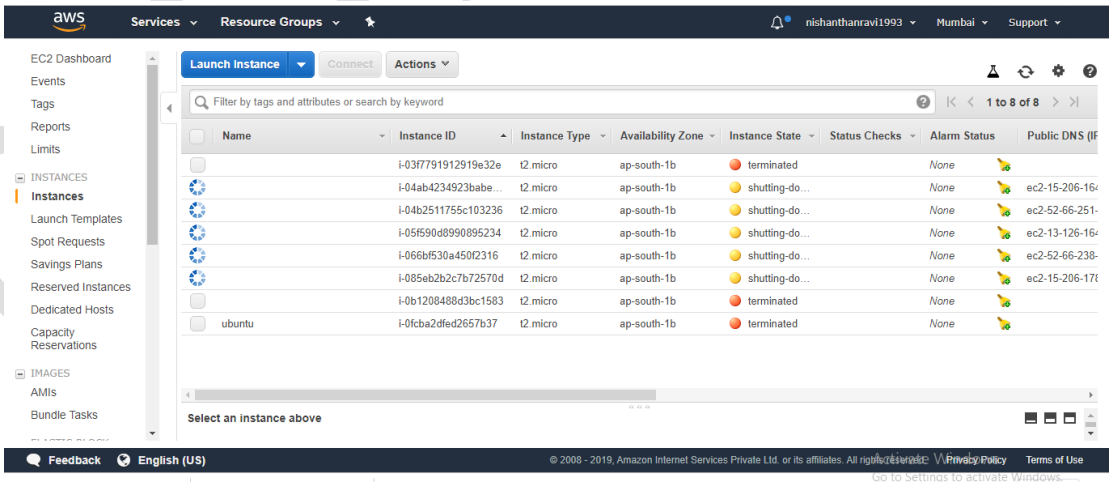
aws
Services
Resource Groups
nishanthanravi1993
Mumbai
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
IMAGES
AMIs
Bundle Tasks
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 8 of 8
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS (IP
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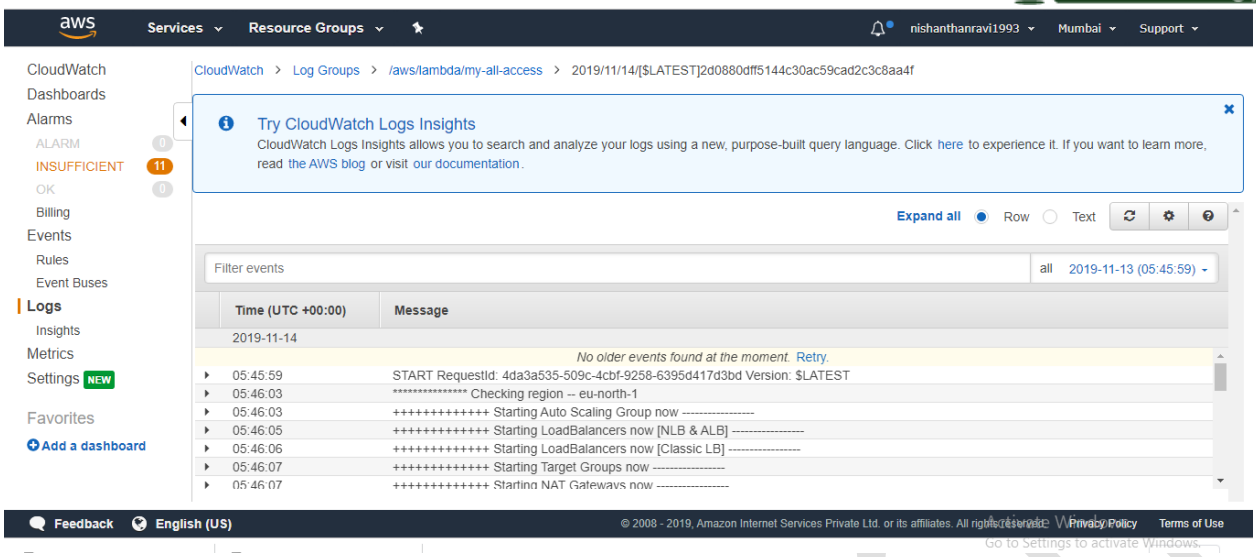
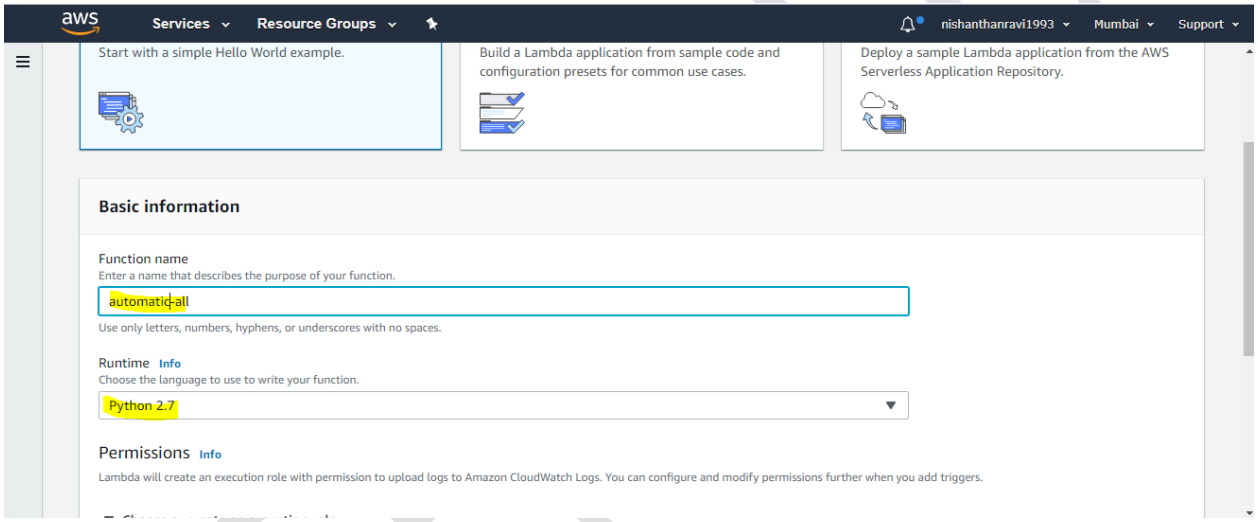
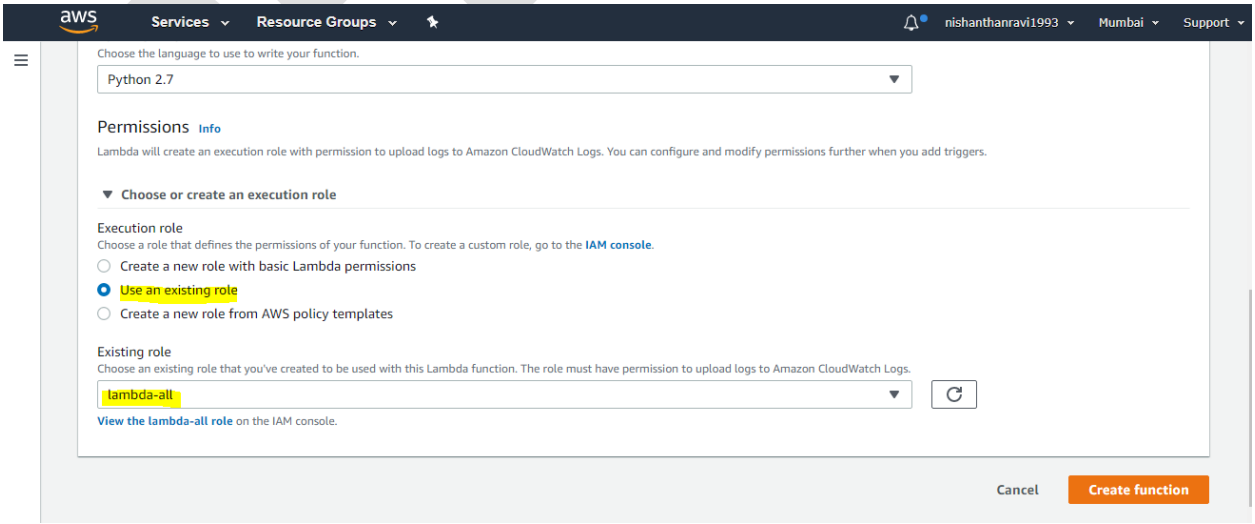
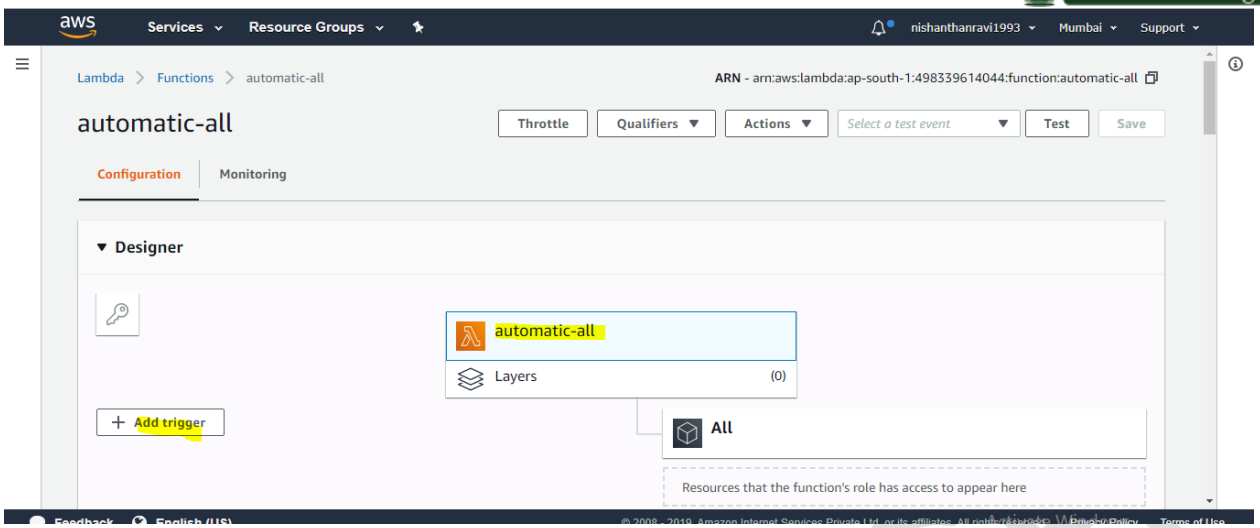


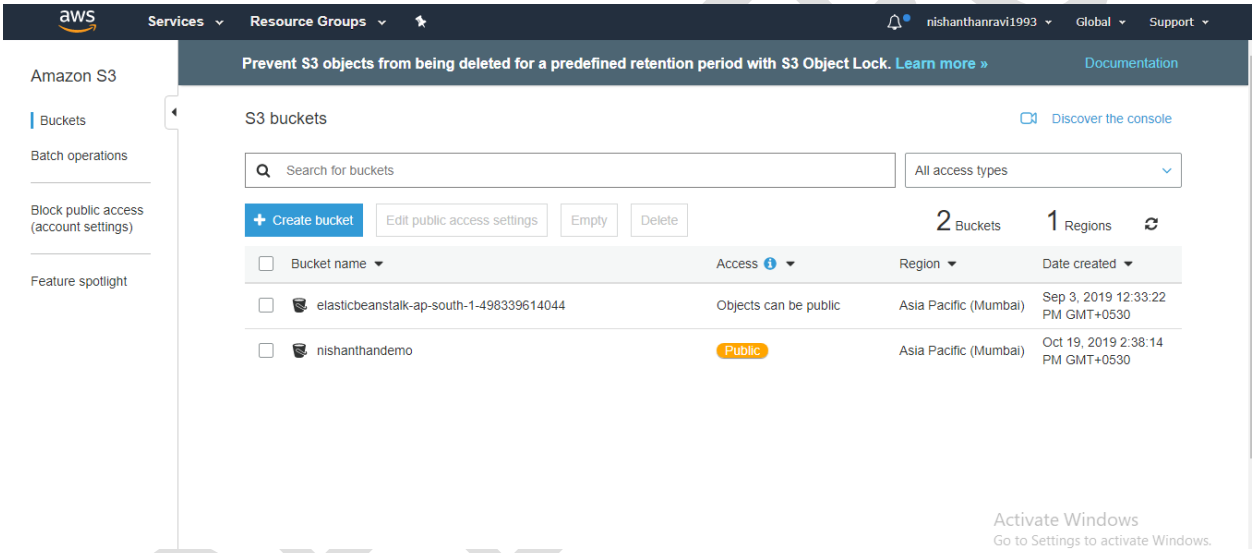
Automatic triggering:

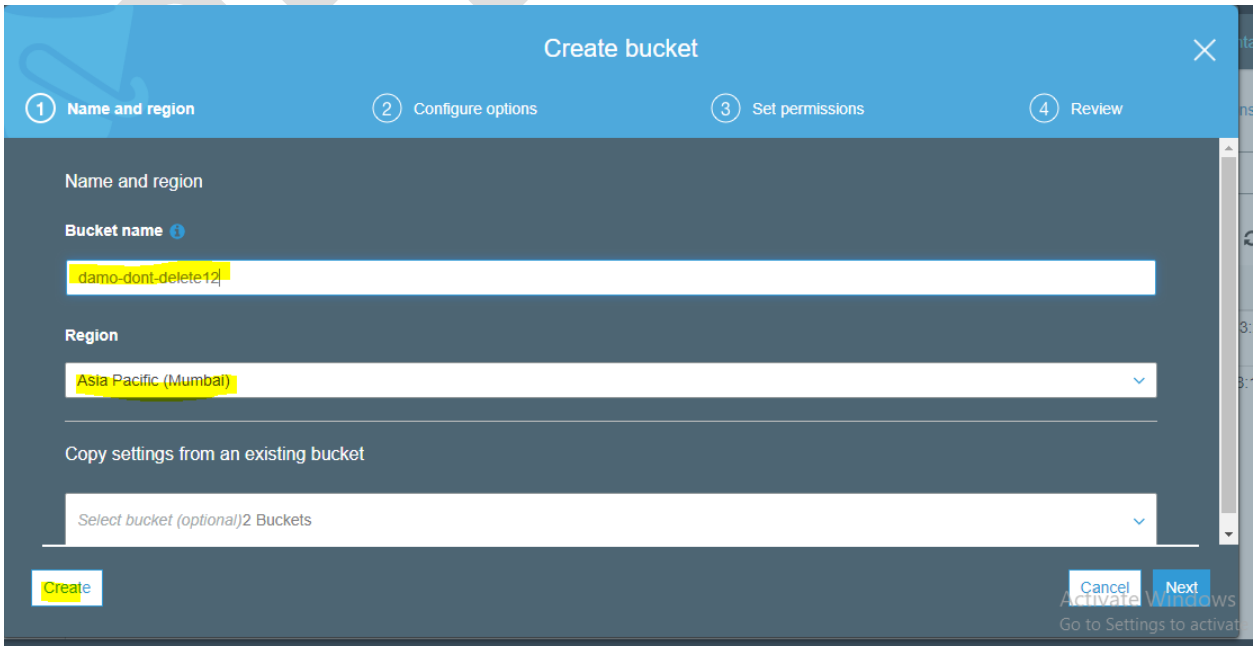






Create an S3 bucket





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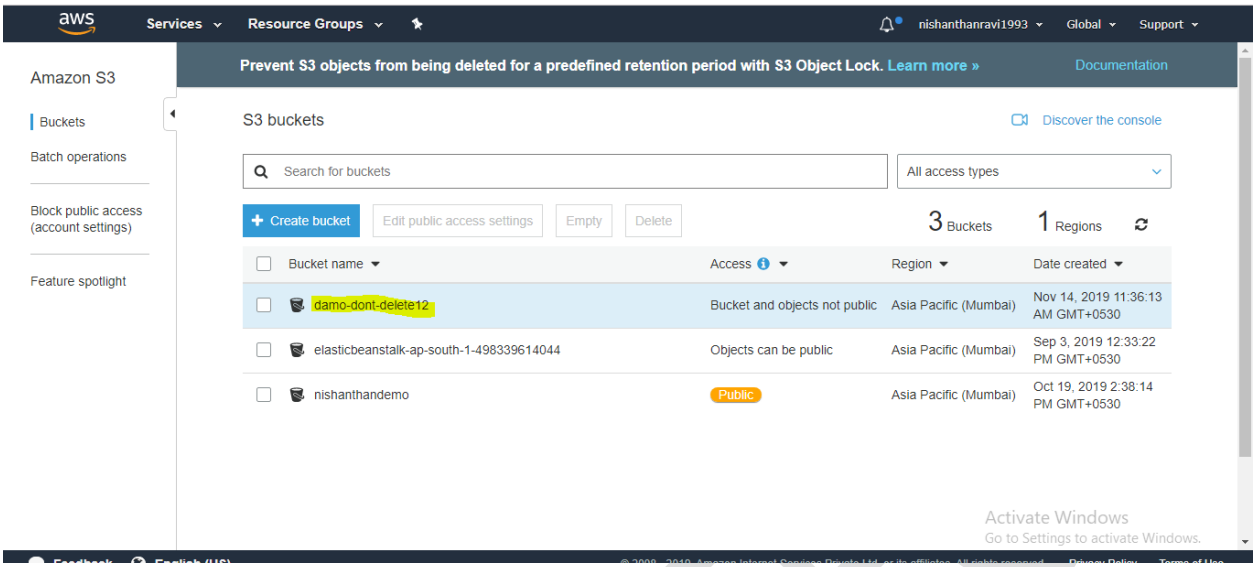
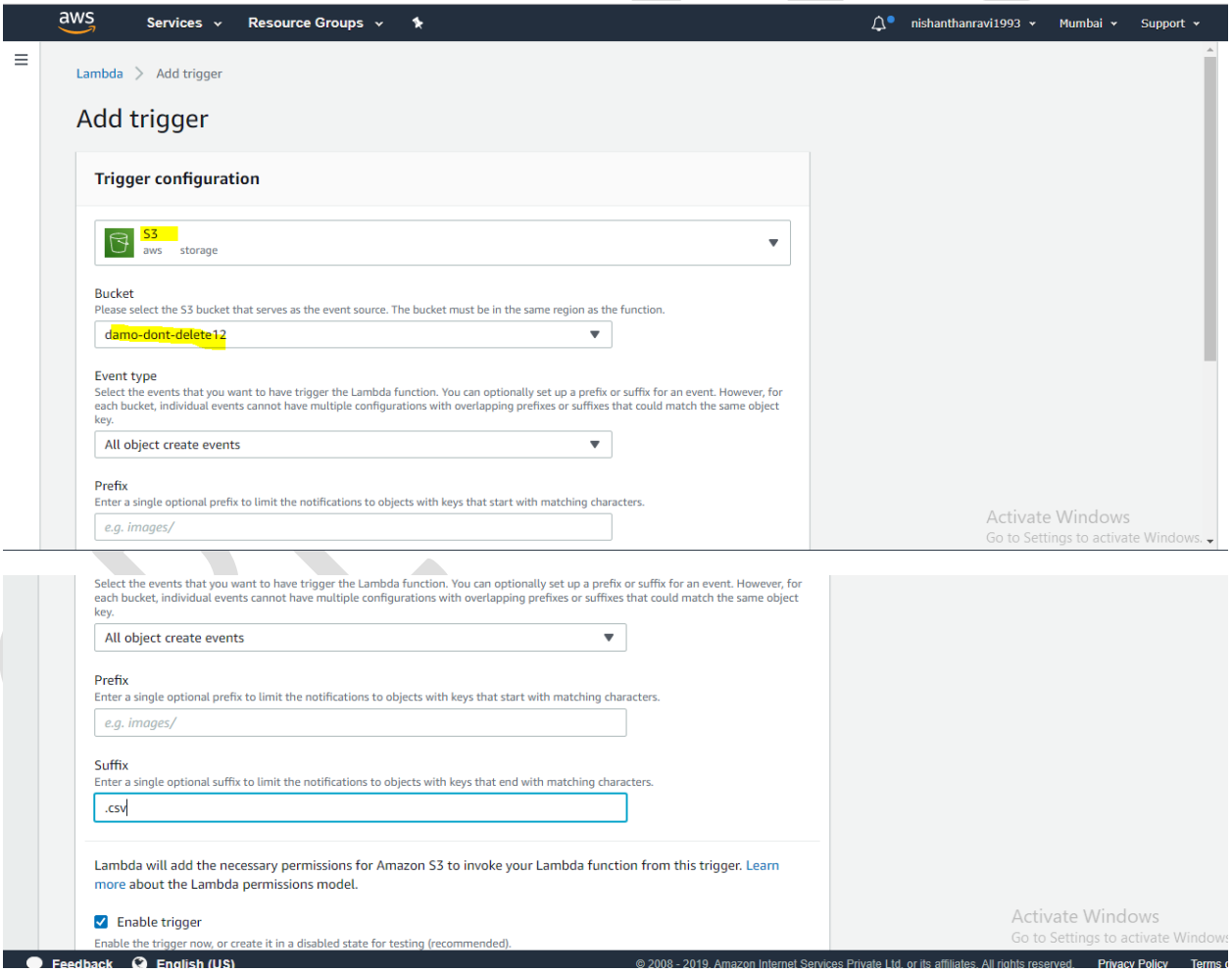
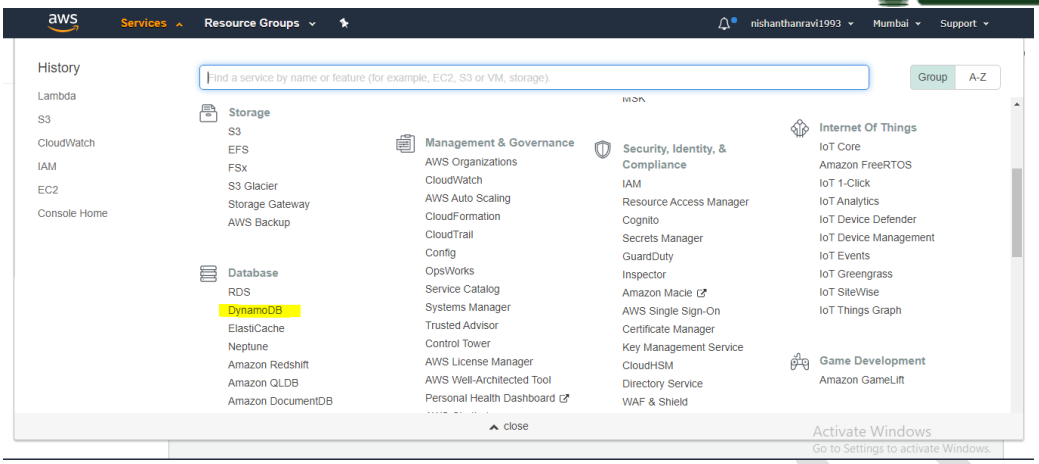
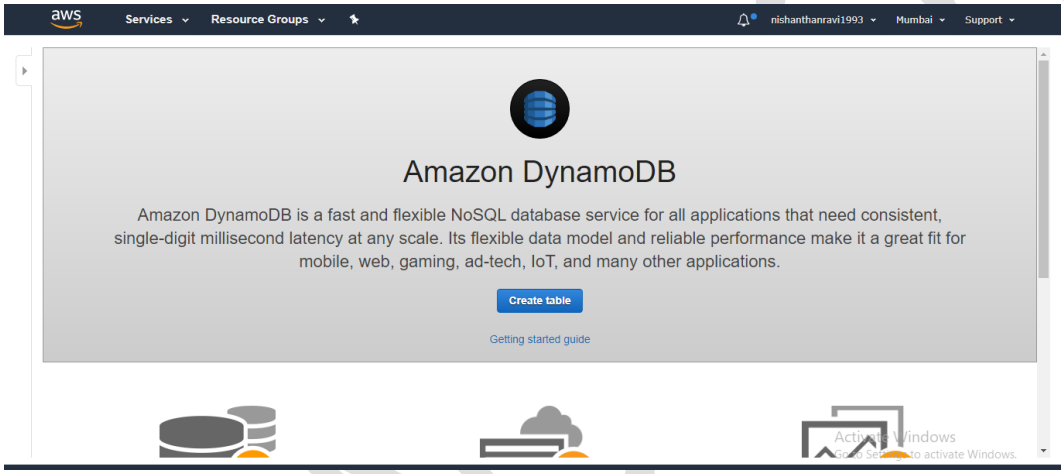




Now go to dynamo db

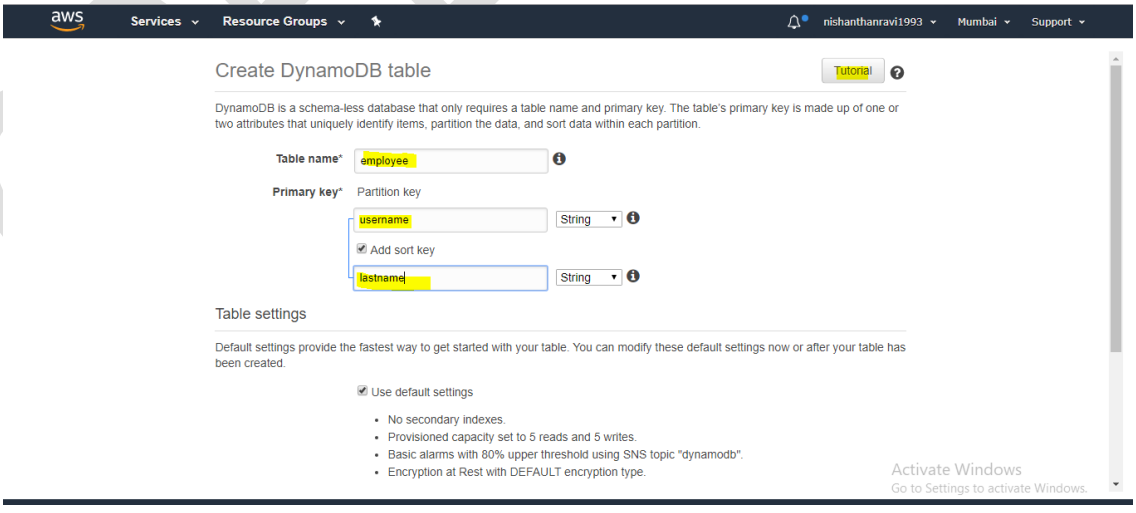


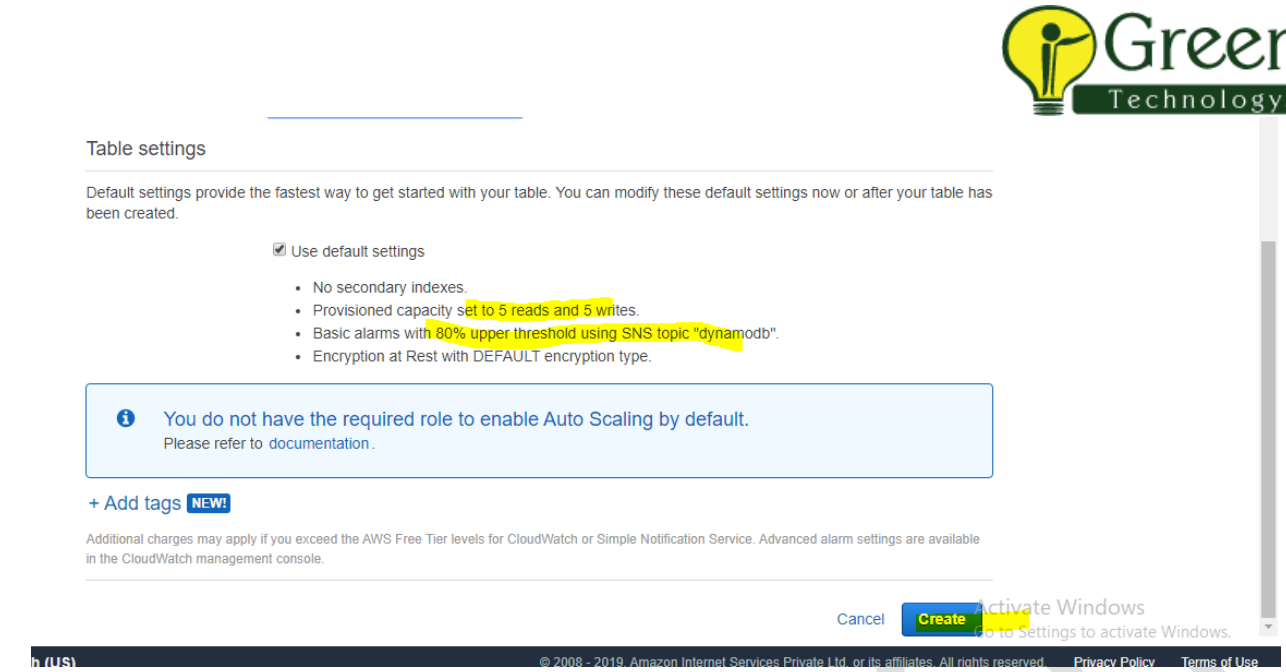
Create one table



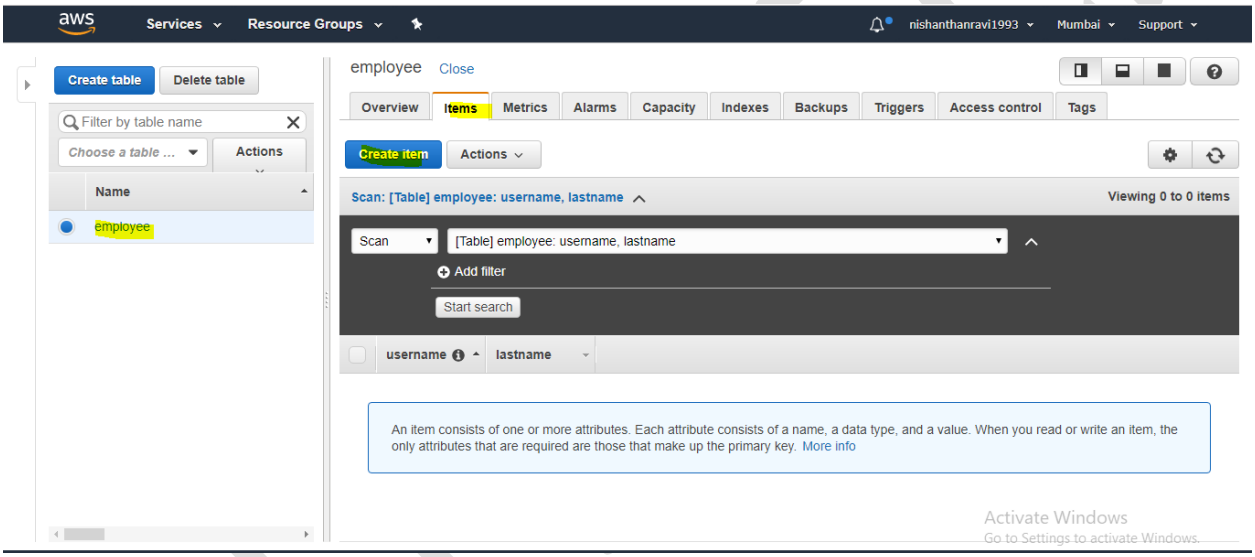
Username

Last name

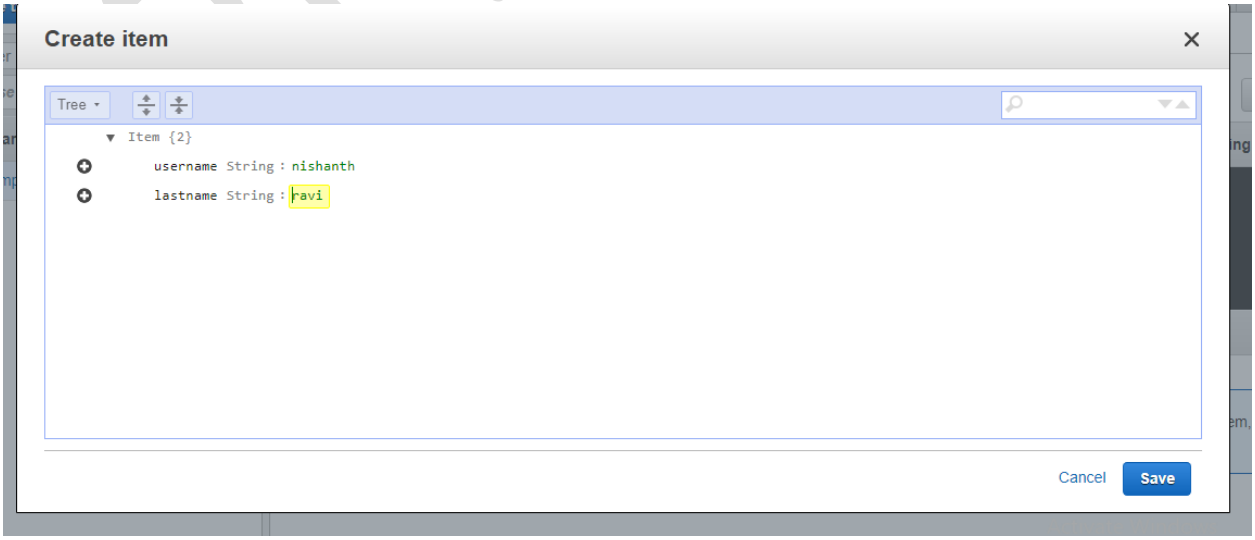


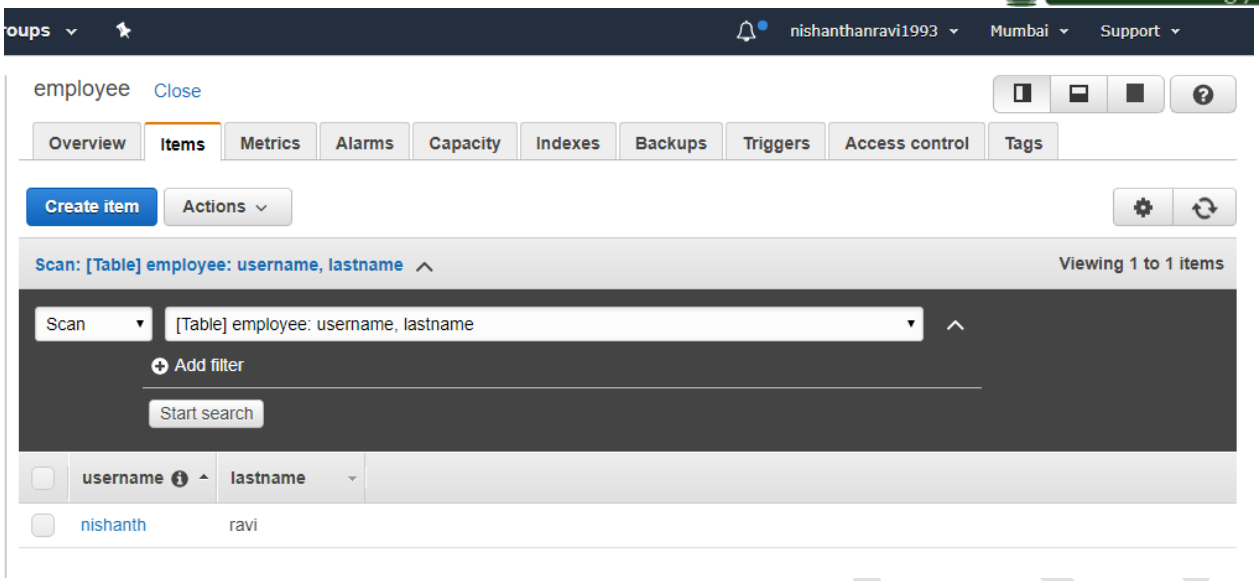


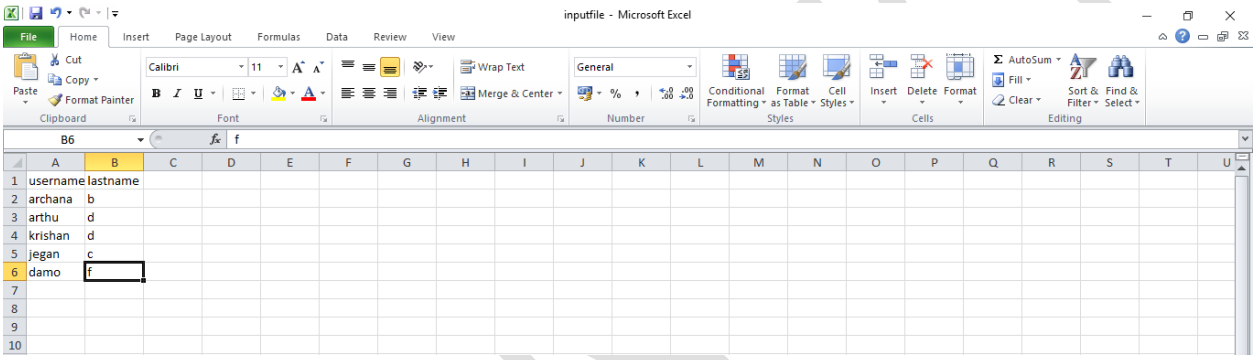
Go to items



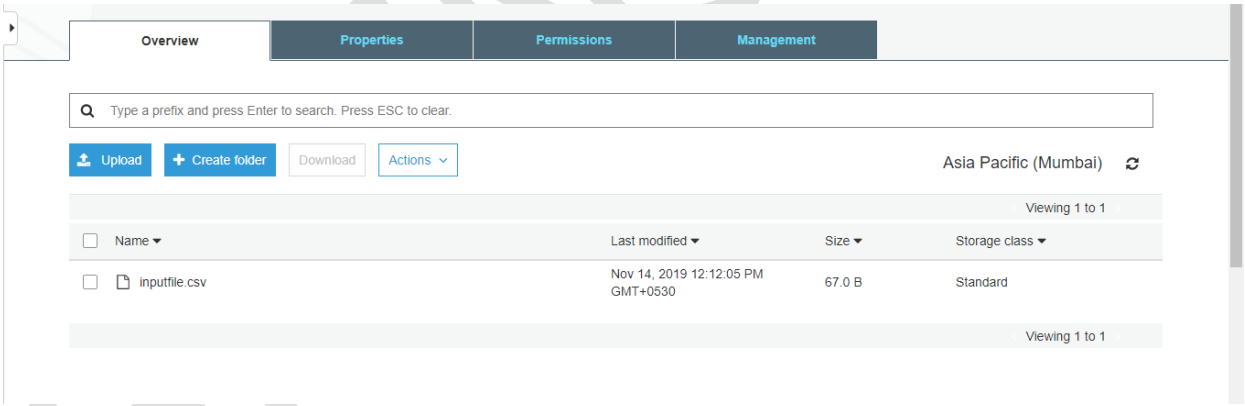
Add your name

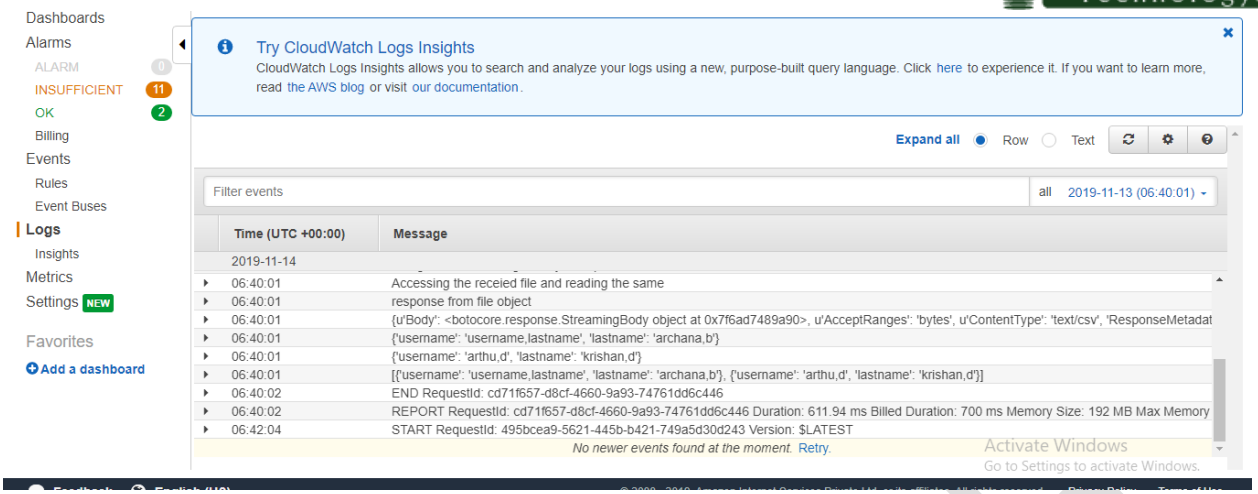


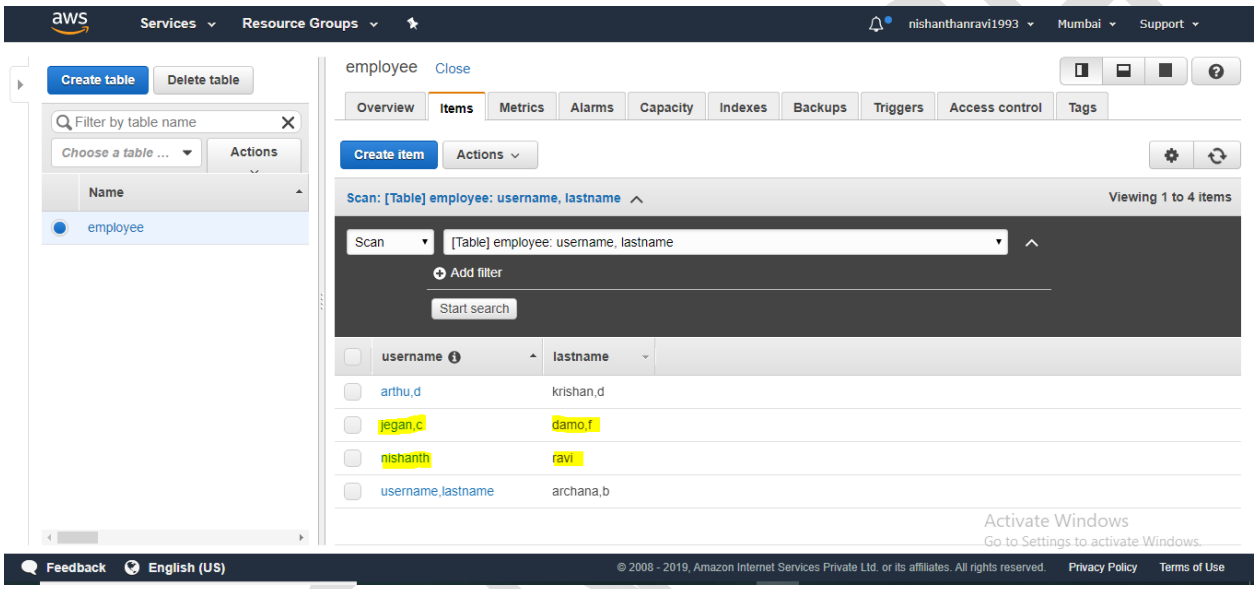




Upload your file. CSV







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