# Don Bosco Institute of Technology, Mumbai 400070 Department of Information Technology

# **Experiment No.: 12**

**Date:** 27/10/22

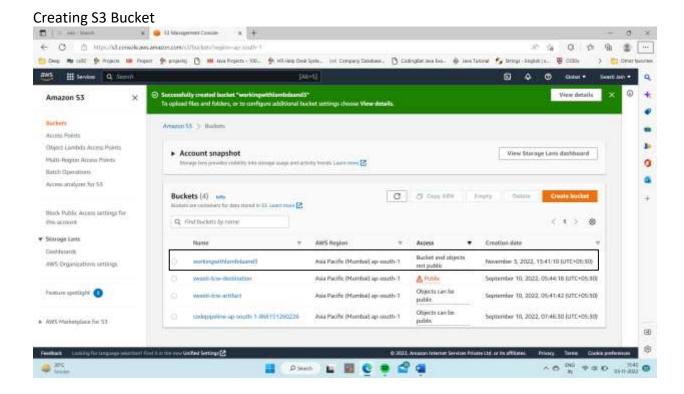
Name: Swasti Jain

Batch: B

**Roll No: 24** 

To start using AWS Lambda with Amazon S3, we need the following -

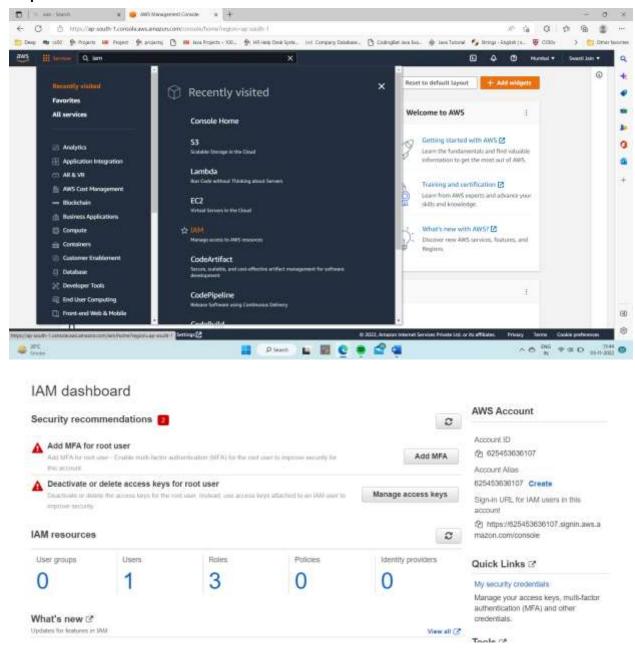
- Create S3 Bucket
- Create role which has permission to work with s3 and lambda
- Create lambda function and add s3 as the trigger.



#### Create Role that Works with S3 and Lambda

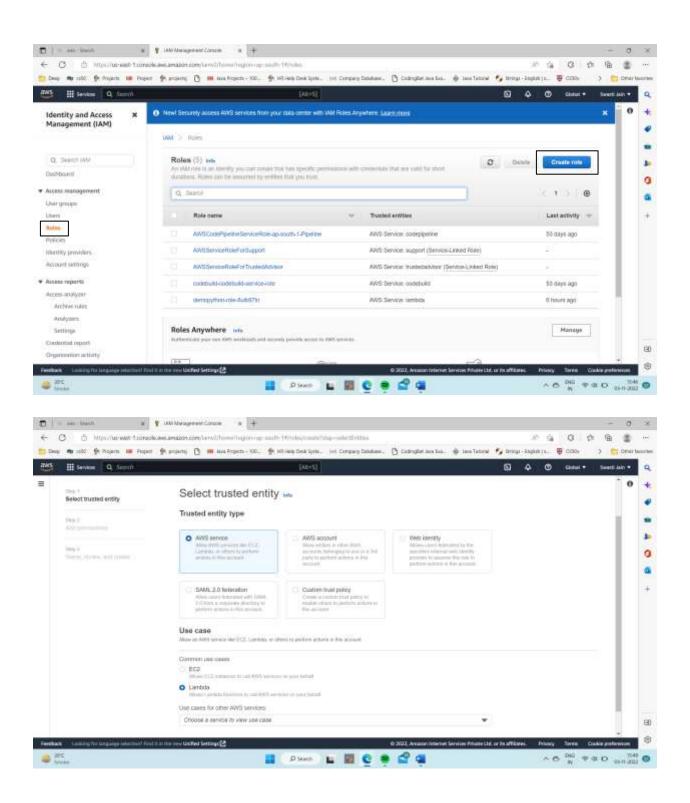
To create role that works with S3 and Lambda, please follow the Steps given below:

**Step 1:**Go to AWS services and select IAM as shown below –



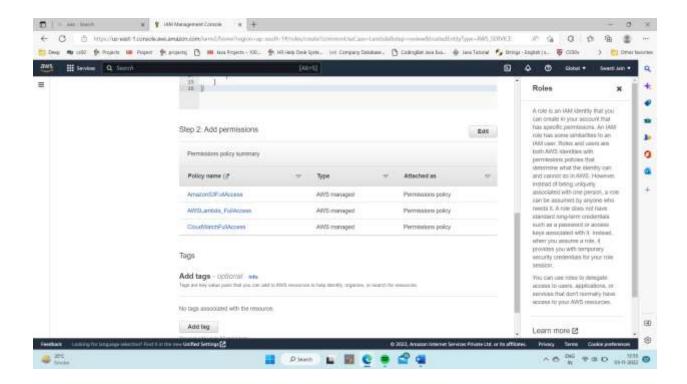
Step 2

Now, click IAM -> Roles as shown below -



Step 3

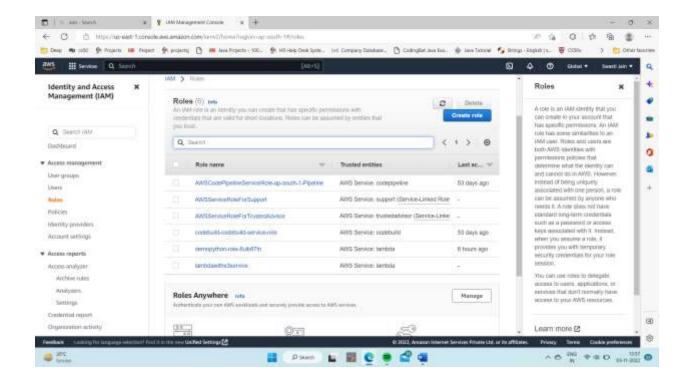
Add the permission from below:



Observe that we have chosen the following permissions -

we have selected are AmazonS3FullAccess, AWSLambdaFullAccess and CloudWatchFullAccess.

Step 4

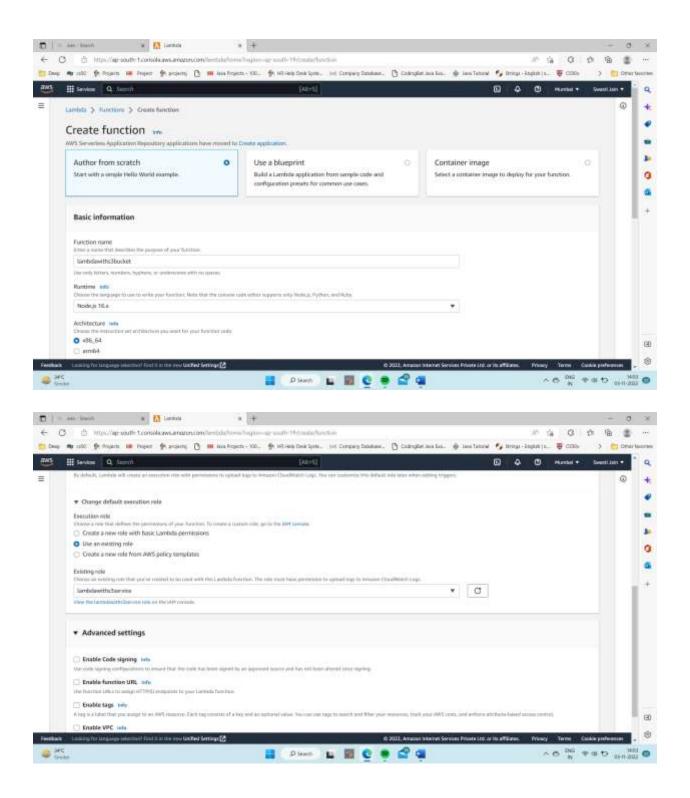


#### Create Lambda function and Add S3 Trigger

In this section, let us see how to create a Lambda function and add a S3 trigger to it. For this purpose, you will have to follow the Steps given below –

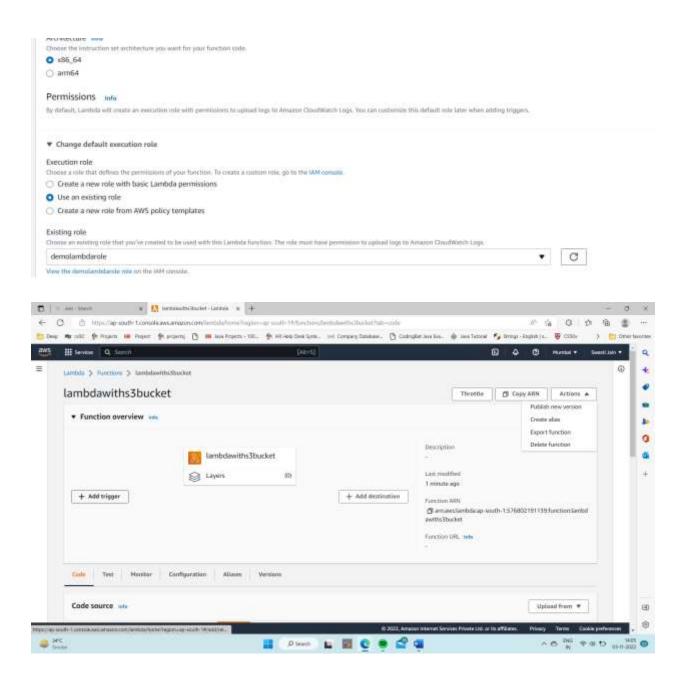
#### Step 1

Go to AWS Services and select Lambda as shown below -



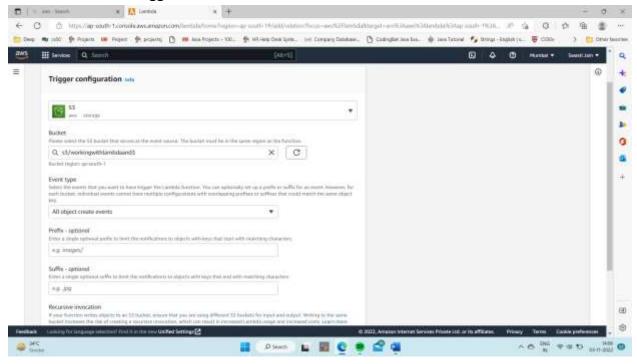
### Step 2

Click Lambda and follow the process for adding Name. Choose the Runtime, Role etc. and create the function. The Lambda function that we have created is shown in the screenshot below –



#### Hence a lambda function is created

## **NOw Lets Create a trigger**

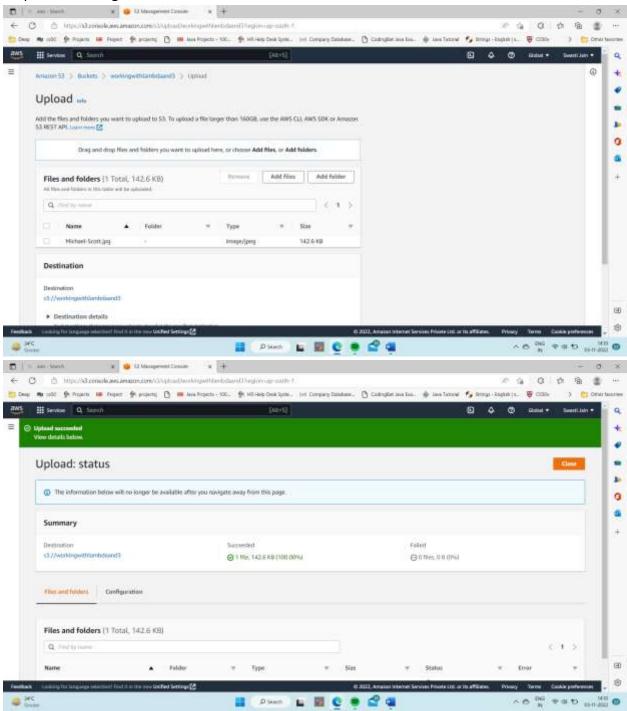


Below is the code written in node.js to pinned a log about an object that has been added to s3.

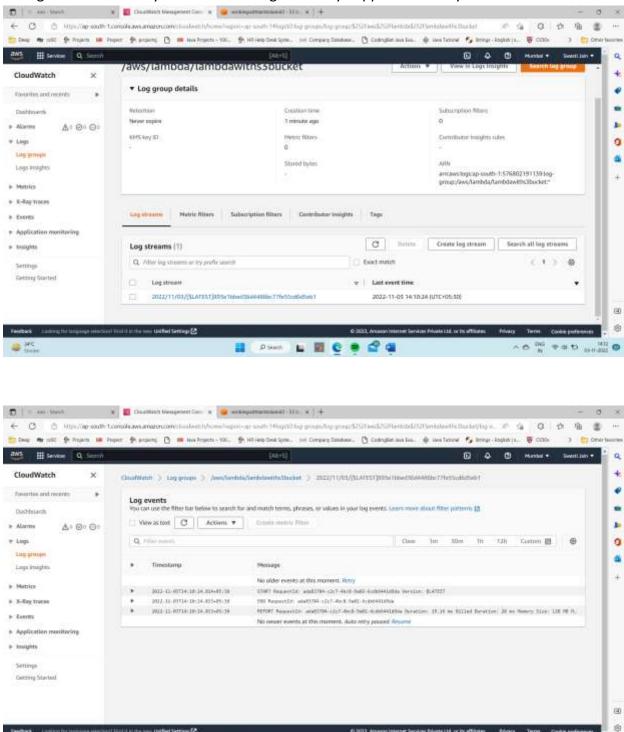


#### Now to test our lambda function with s3 trigger.

#### Step 1.add a image to s3 bucket



**Step 2.**Now go to cloudwatch you will see the logs of newly happened activity in s3.



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