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T11-15

Assignment No. 7

Aim: To learn how to use Lambda in order to run a simple program from S3 Bucket.

Theory:

Create bucket:

The screenshot shows the AWS S3 console 'Create bucket' page. The 'General configuration' section includes a 'Bucket name' field with the value 'mynewbucket' and an 'AWS Region' dropdown set to 'Asia Pacific (Mumbai) ap-south-1'. Below this is a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button. The 'Object Ownership' section has two radio buttons: 'ACLs disabled (recommended)' (selected) and 'ACLs enabled'. The 'Block Public Access settings for this bucket' section is also visible at the bottom.

create a new policy from iam dashboard;

while creating policy select json tab and paste the following code:

```
{  
  
  "Version": "2012-10-17",  
  
  "Statement": [  
  
    {  
  

```

```

    "Effect":
    "Allow",
    "Action": [

        "logs:PutLog
            Even
            ts",

        "logs:CreateLo

        gGroup",

        "logs:CreateLog

        Stream"

    ],
    "Resource": "arn:aws:logs:*:*:*"
},
{
    "Effect":
    "Allow",
    "Action": [

        "s3:GetObject"

    ],

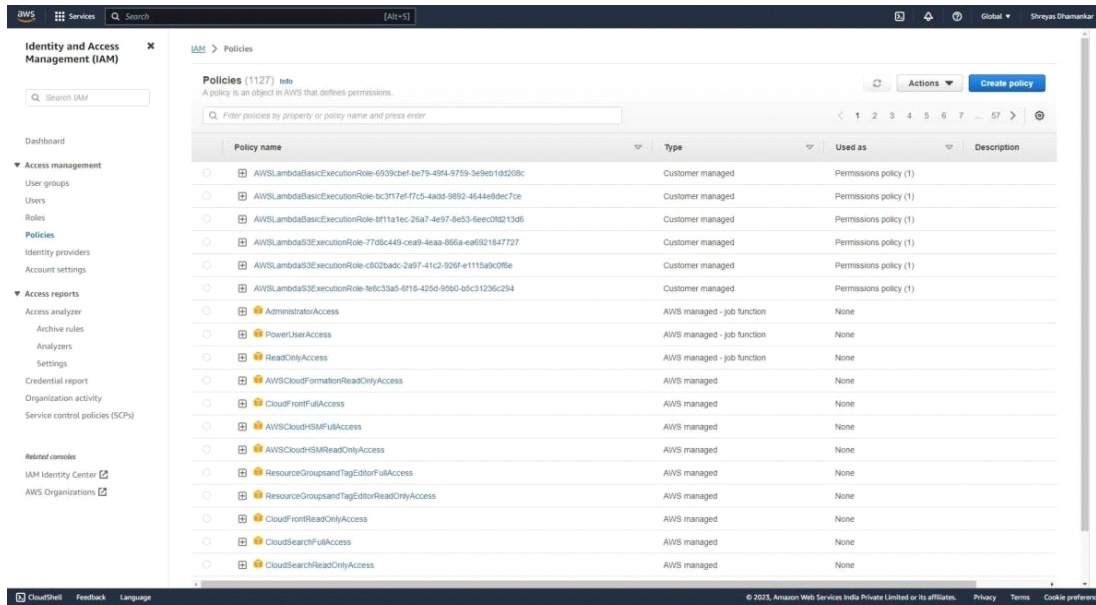
    "Resource": "arn:aws:s3:::*/*"

}

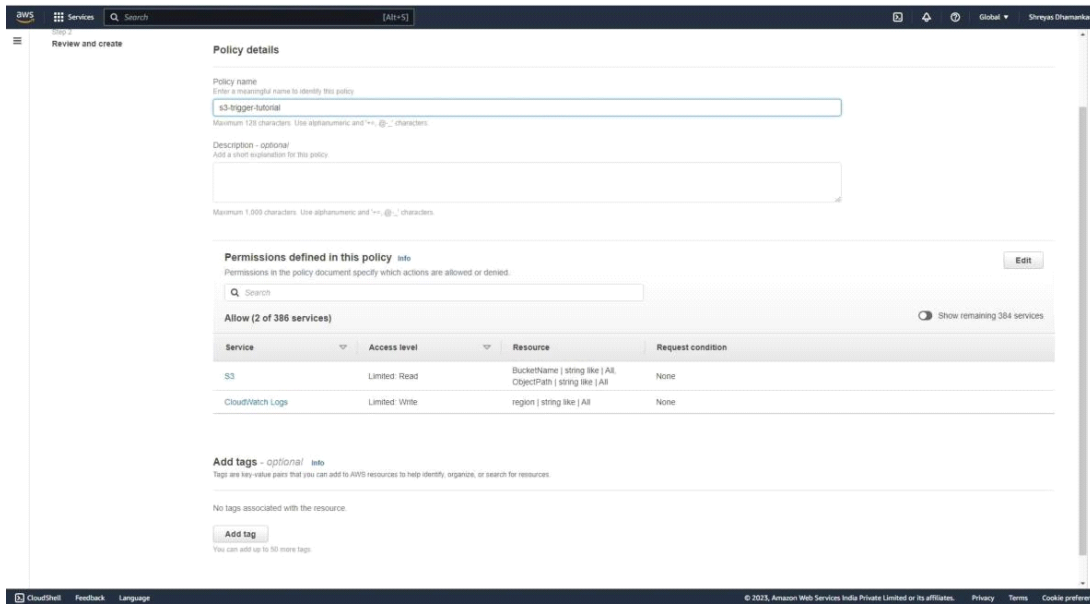
]

}

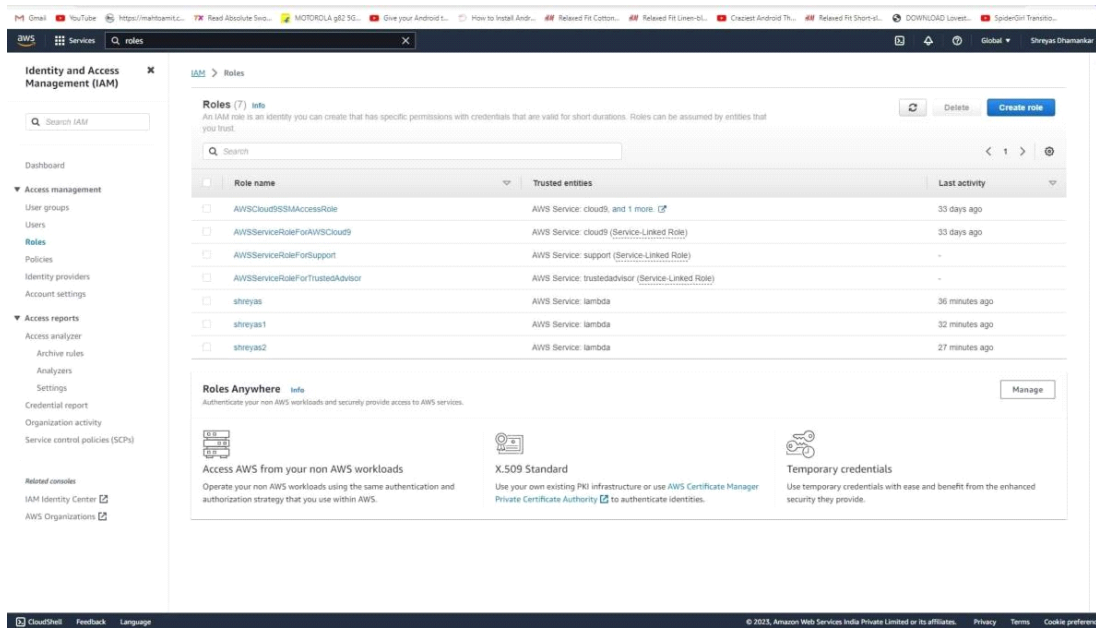
```



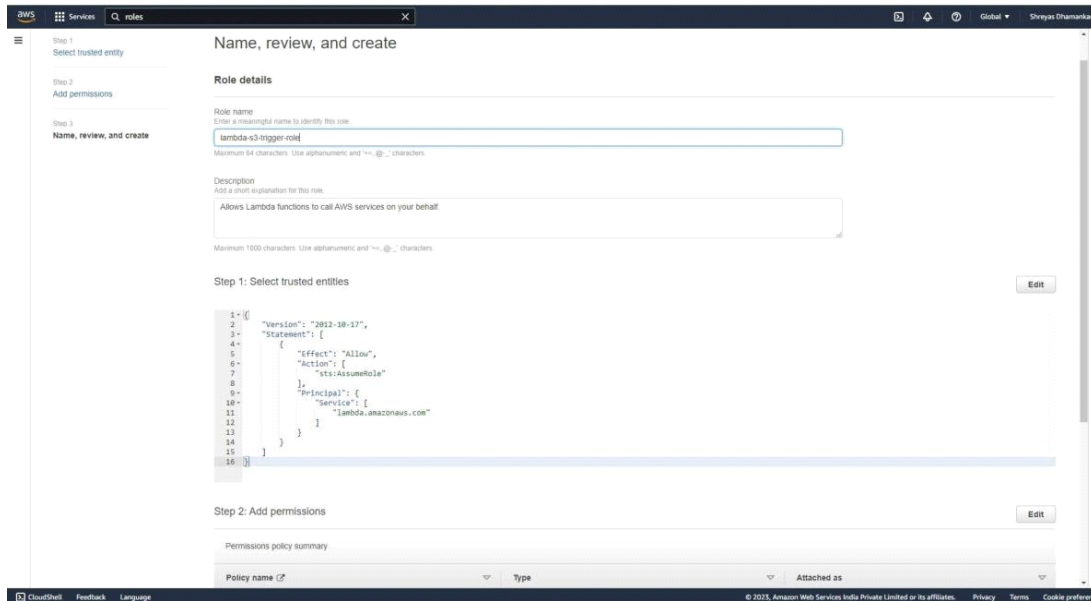
create policy and name it:



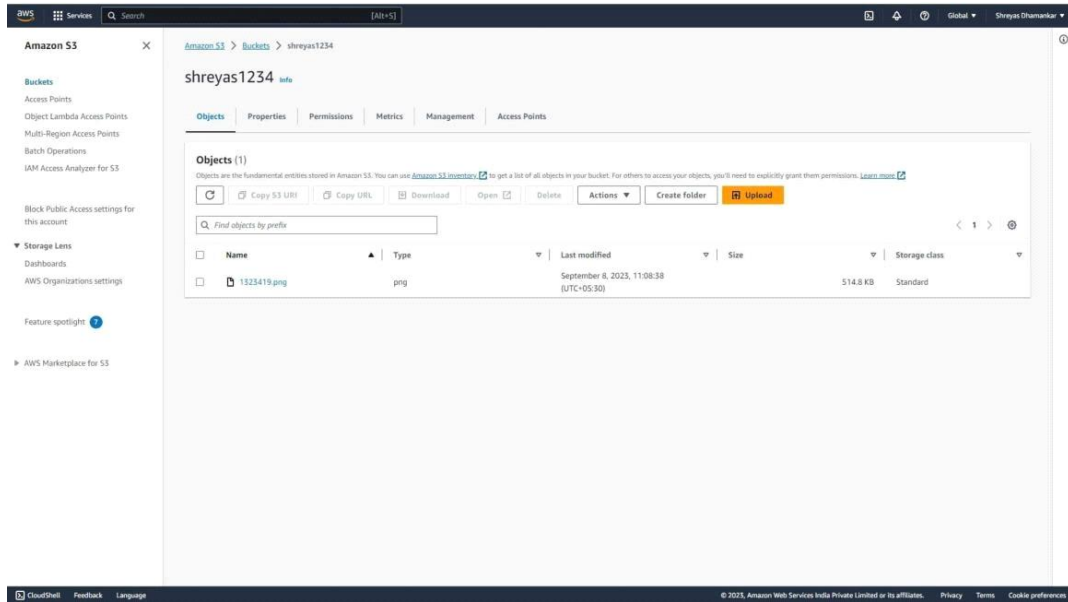
go to roles page and select create a new role



under policies for role select the policy that you have created and click next. Then name the role as follows:

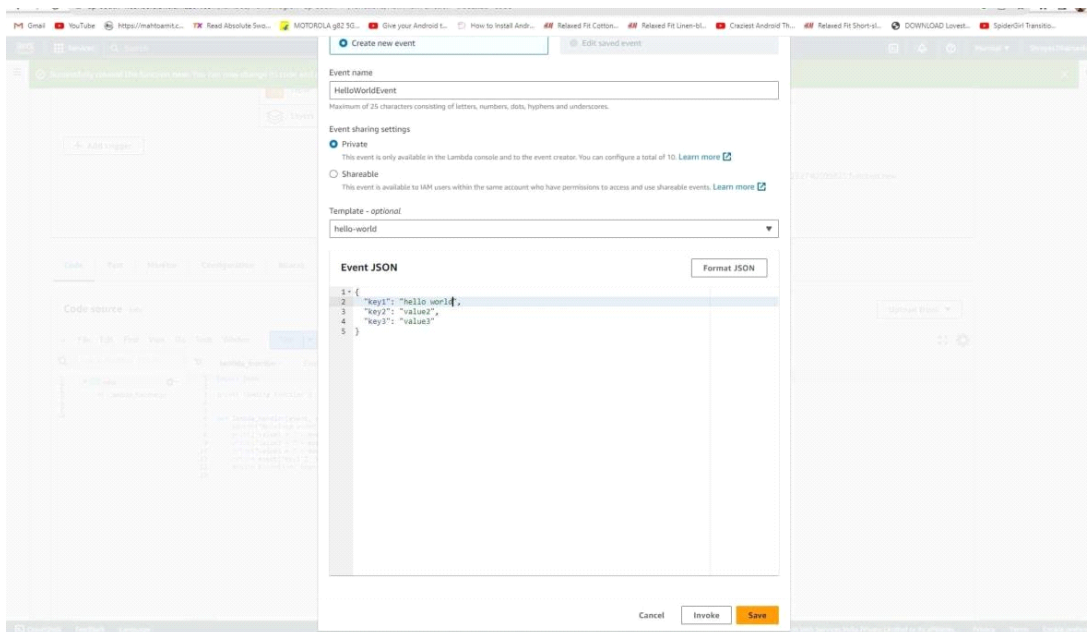


Upload an image file in the S3 bucket.



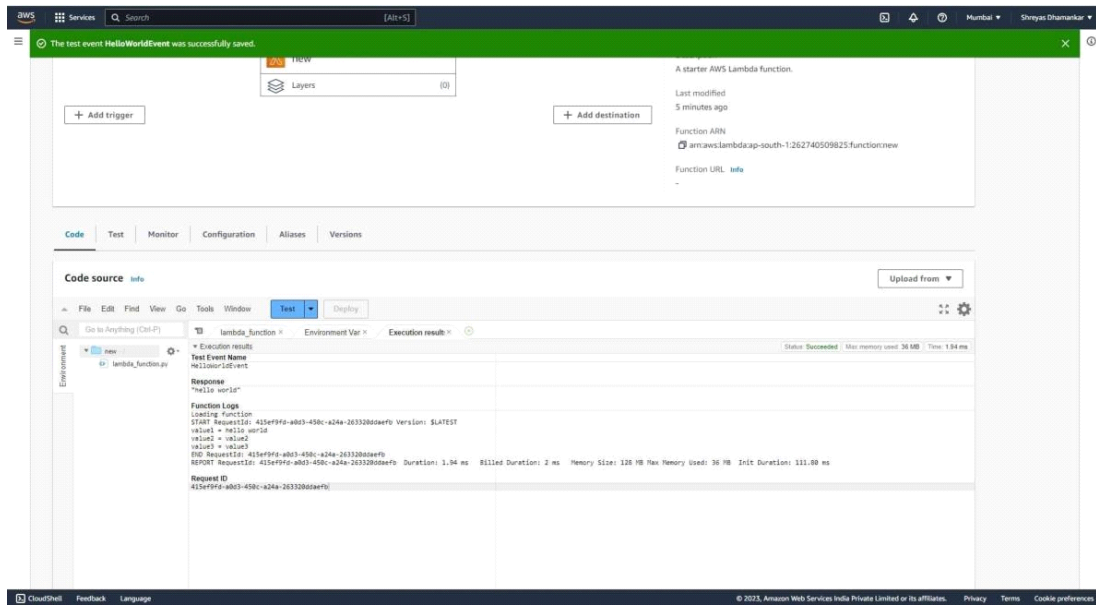
Go to lambda dashboard in aws and create a new function named s3-trigger tutorial. select use existing blueprint and choose 'hello world python 3.7 blueprint'.

Click on create function. Once function is created go to test and create new Test event.



Change Key 1 to Hello World.

Click on test and obtain the results in Execution tab.



Conclusion:

In this assignment we learnt how to use Lambda function to run a basic HelloWorld program in Python.