Q3,Q4
Create iam user,then group,give user and grp cloud9environment permission
Open the console log-in link in incognito tab.
Go to cloud9 save a random file. Share ->invite user u made ->now open environment link in incognito tab.
Collab in chat box

Q5
YOU ARE FUCKED
Q6
YOU ARE FUCKED
Q7
YOU ARE FUCKED YET AGAIN

Q8,9,10
Set path for sonarqube and sonar path “bin->windows->lib” is the path to be given in env variable
Sonarscanner path is given till bin , path to be given in environment var and “PATH” ->new
Go to c->sonarqube->bin->windows->start sonar
Local9000
Create new project->give name,key is generated and generate token(command is generated with token)
Now go to sonarscanner->conf->sonarscanner-> open and give sonar.projectKey=TypeScript sonar.projectName=TypeScript sonar.projectVersion=1.0 sonar.sources=C:\sonar-scanner-5.0.1.3006-windows\conf
Open sonarscanner->conf(where the code is) open terminal and paste token command
View op on dashboard

Q11,12,13

-> Search Lambda -> Create Function -> Use a blueprint -> (Blueprint name) Hello world Python 3.7

(Execution role) -> Create a new role from AWS policy templates -> role name -> Create function

Test -> Configure test event -> Event name -> Edit event JSON

Q14

```
import json
import boto3
s3=boto3.client('s3')
def lambda_handler(event,context):
    bucket="q14bucket"
    dataToUpload = {}
```

```
    dataToUpload['PID'] = '211121'
    dataToUpload['DEPT'] = 'INFT'
    dataToUpload['NAME'] = 'Brijraaj'
    dataToUpload['FILE'] = 'brij'
    fileName = 'brij' + '.json'
    uploadByteStream= bytes(json.dumps(dataToUpload).encode('UTF-8'))
    s3.put_object(Bucket=bucket,Key=fileName,Body=uploadByteStream)
print('an object has been added')
```

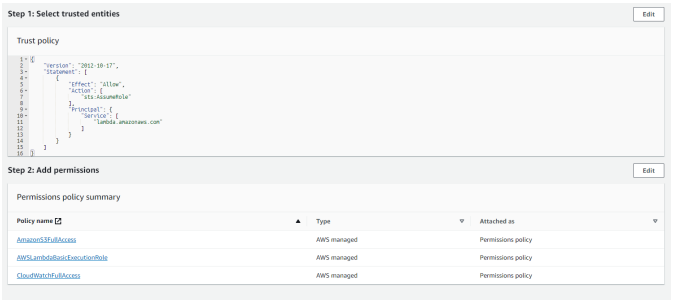
Search IAM -> Roles -> Create role -> (Usecase) Lambda -> Next

Permissions policies

CloudWatchFullAccess

AWSLambdaBasicExecutionRole

AmazonS3FullAccess

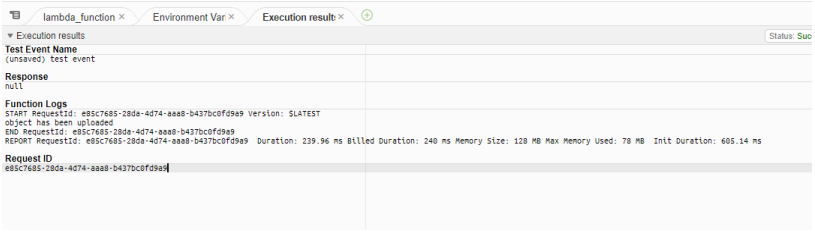


->Enter Role Name -> Create Role

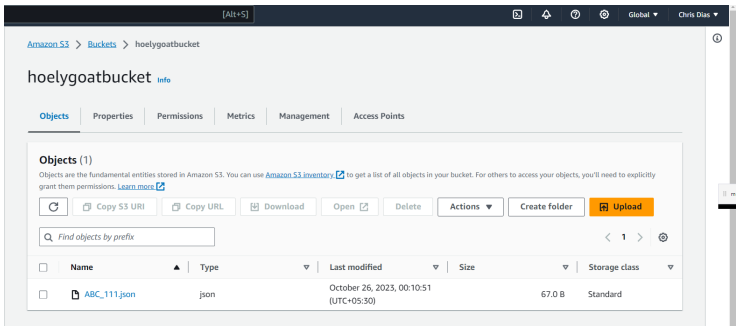
->Search S3 -> Create Bucket -> Enter Bucket name -> Create

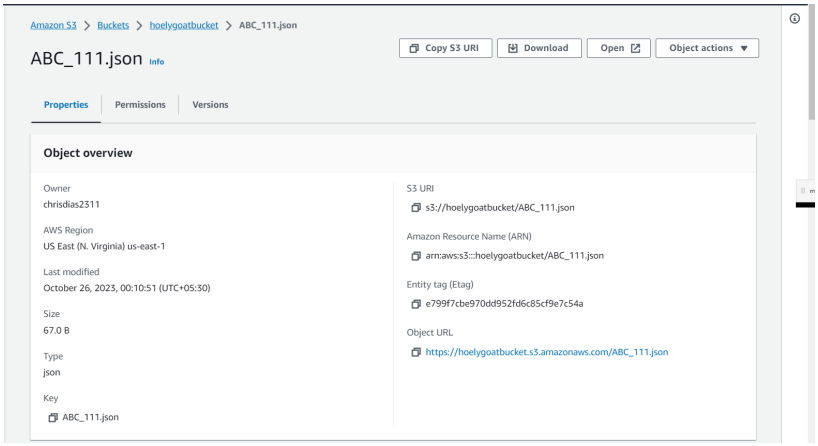
->Search Lambda -> Create function -> Enter name -> Change default execution role -> Use an existing role -> role1->Create function

Click on Deploy -> click test -> Invoke



Search S3 ->





Q15

Search Lambda -> Create Function -> Use a blueprint -> (Blueprint name) Hello world Python 3.7

(Execution role) -> Create a new role from AWS policy templates -> role name -> Create function

Test -> Configure test event -> Event name -> Edit event JSON

Use invoke instead of run/save. Next go to monitor for visualization

Q16

Search Lambda -> Create Function -> Use a blueprint -> (Blueprint name) Hello world Python 3.7

(Execution role) -> Create a new role from AWS policy templates -> role name -> Create function

Test -> Configure test event -> Event name -> Edit event JSON

Index.mjs is the automatic code,change it,invoke it and test.op will be generated in logs

Q17

Display present working directory in cloudshell- pwd

Q18

Q19

Easy

Q20

Same as 14

Q21

Same as q3

Q22