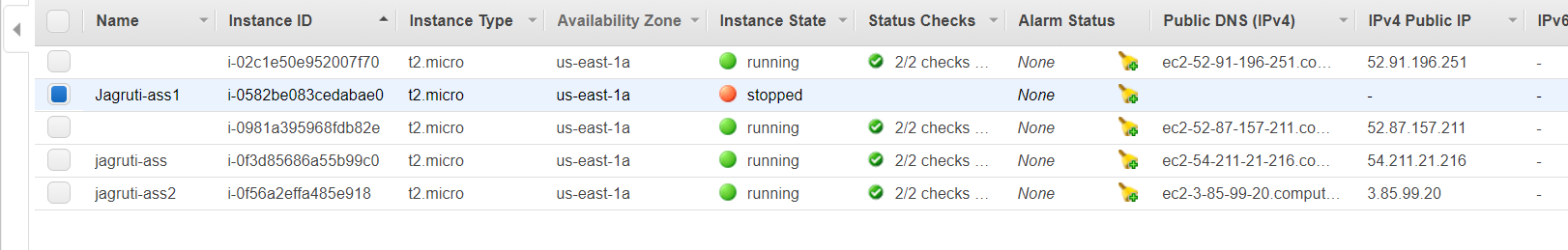
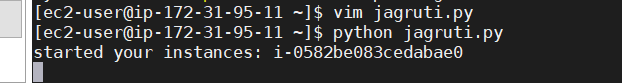
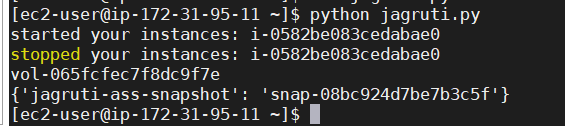
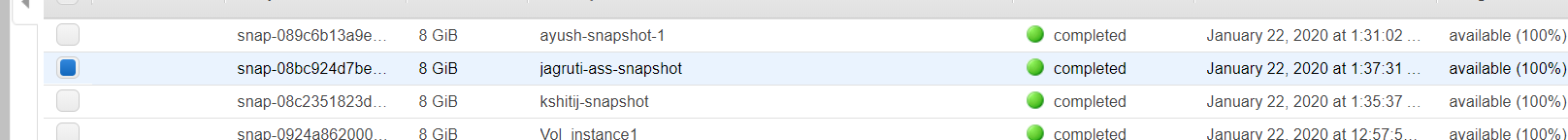
1) Write python code to start, stop, create volume snap and terminate instance.







Jagruti.py

import boto3  
import time  
  
region = 'us-east-1'  
instance\_id = “i-0582be083cedabae0”

ec2 = boto3.client('ec2', region\_name=region)  
ec21=boto3.resource('ec2', region\_name=region)  
  
#START  
ec2.start\_instances(InstanceIds=[instance\_id])  
print('started your instances: ' + instance\_id)  
  
time.sleep(200)  
  
#STOP  
ec2.stop\_instances(InstanceIds=[instance\_id])  
print('stopped your instances: ' + instance\_id)  
  
time.sleep(200)  
  
#SNAPSHOT  
instance=ec21.Instance(instance\_id)  
volumes=instance.volumes.all()  
  
volumes\_dict = {  
                'jagruti-ass-snapshot' : 'v\_id',                  
        }  
         
for i in volumes:  
 if i not in volumes\_dict.keys():  
   volumes\_dict[‘jagruti-ass-snapshot’]=[i.id](http://i.id/)  
 print([i.id](http://i.id/))  
  
  
  
successful\_snapshots = dict()  
for snapshot in volumes\_dict:  
  try:  
      response = ec2.create\_snapshot(  
          Description= snapshot,  
          VolumeId= volumes\_dict[snapshot],  
          DryRun= False  
      )  
      status\_code = response['ResponseMetadata']['HTTPStatusCode']  
      snapshot\_id = response['SnapshotId']  
       
      if status\_code == 200:  
          successful\_snapshots[snapshot] = snapshot\_id  
  except Exception as e:  
      exception\_message = "There was error in creating snapshot " + snapshot + " with volume id "+volumes\_dict[snapshot]+" and error is: \n"\  
                          + str(e)  
  
print(successful\_snapshots)  
  
time.sleep(200)  
  
#TERMINATE  
ec2.terminate\_instances(InstanceIds=[instance\_id])