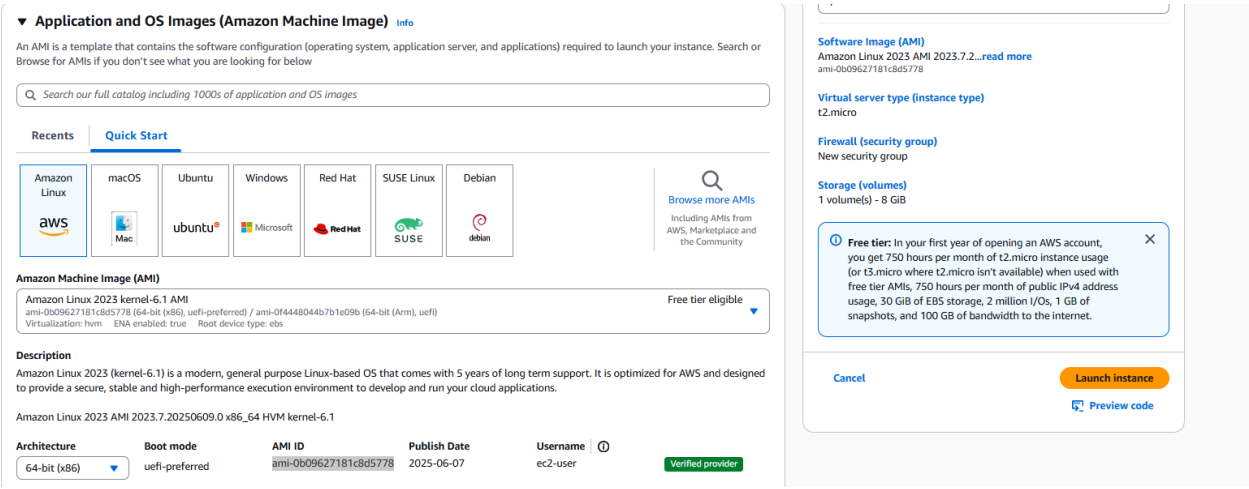
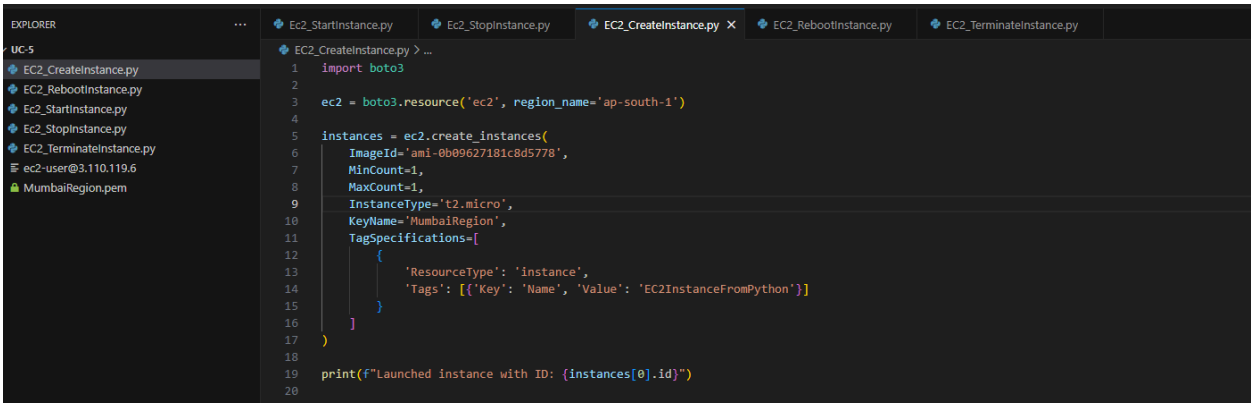
Use case

Launch and manage EC2 instances using Python scripts

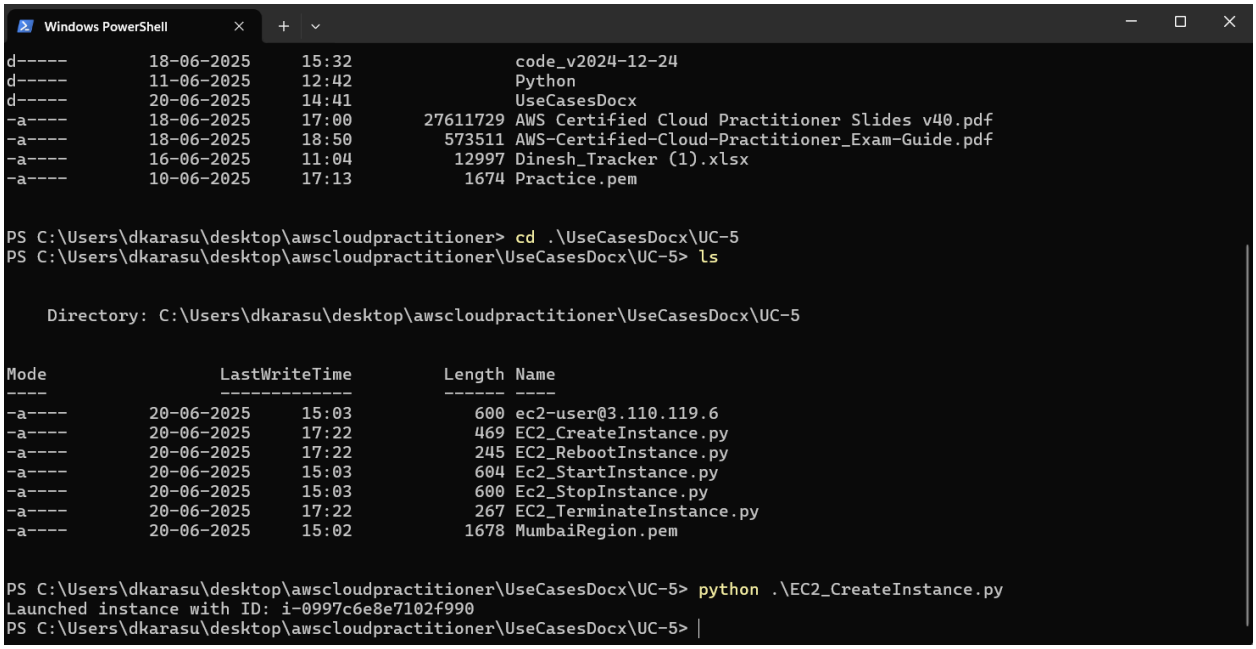
1. Get the base AMI from AWS console (Here, using Amazon Linux AMI) with id ami-0b09627181c8d5778



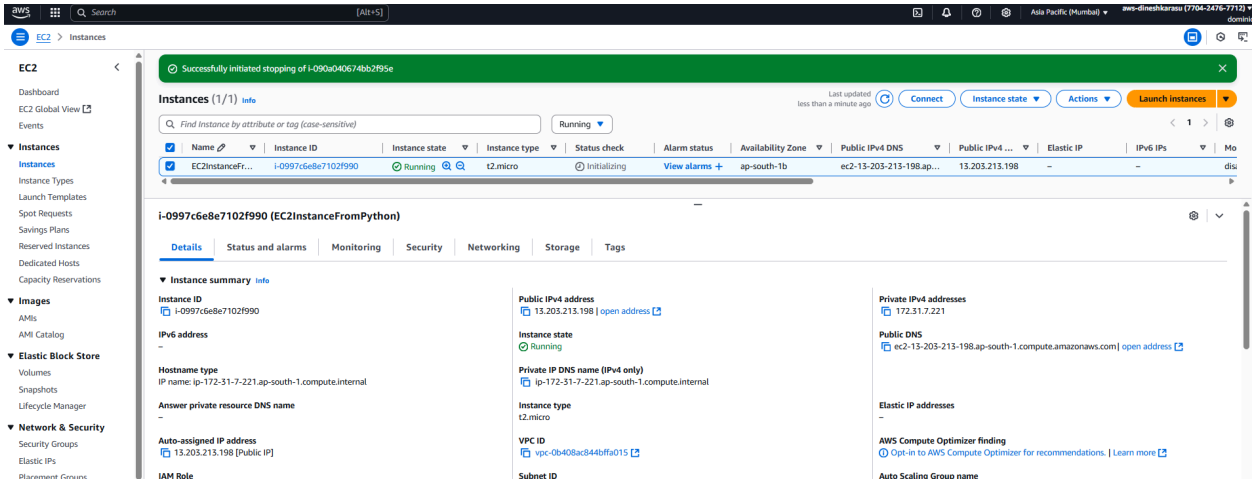
2. Import boto3 module and use built action create_instances() by providing proper values to the arguments



3. Launch the Instance with python code from AWS CLI as below

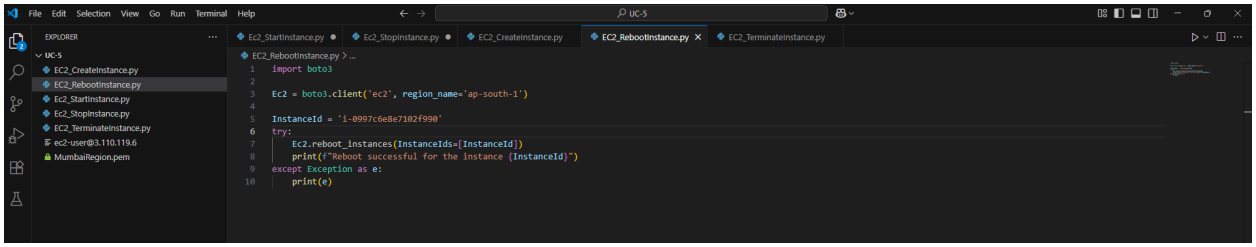


4. A new instance is created in the specified region, you can see the launched instance ID



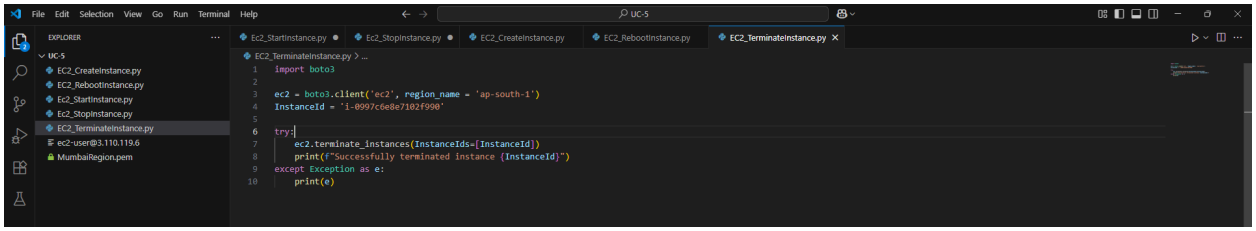
5. Similarly, We can reboot/Start/Stop/Terminate the instances by running the following code

Reboot Instance




```
PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5> python .\EC2_RebootInstance.py
Reboot successful for the instance i-0997c6e8e7102f990
PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5>
```

Terminate Instance




```
PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5> python .\EC2_RebootInstance.py
Reboot successful for the instance i-0997c6e8e7102f990
PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5> python .\EC2_TerminateInstance.py
Successfully terminated instance i-0997c6e8e7102f990
PS C:\Users\dkarasu\desktop\awscloudpractitioner\UseCasesDocx\UC-5>
```