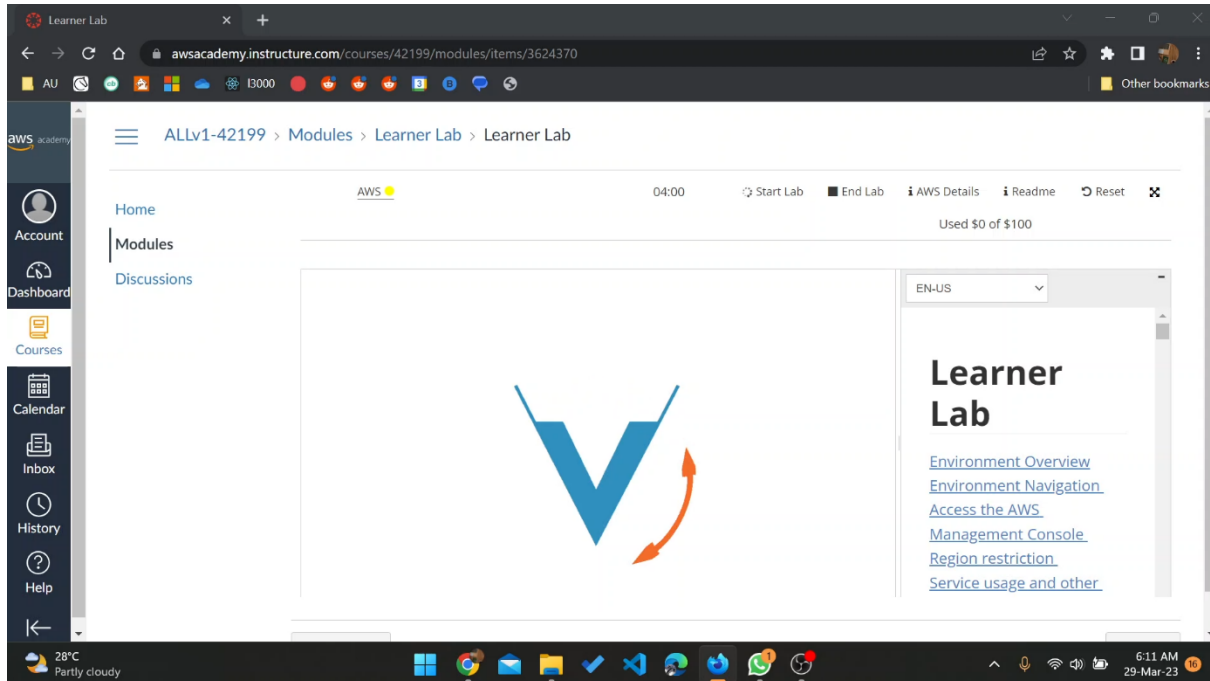


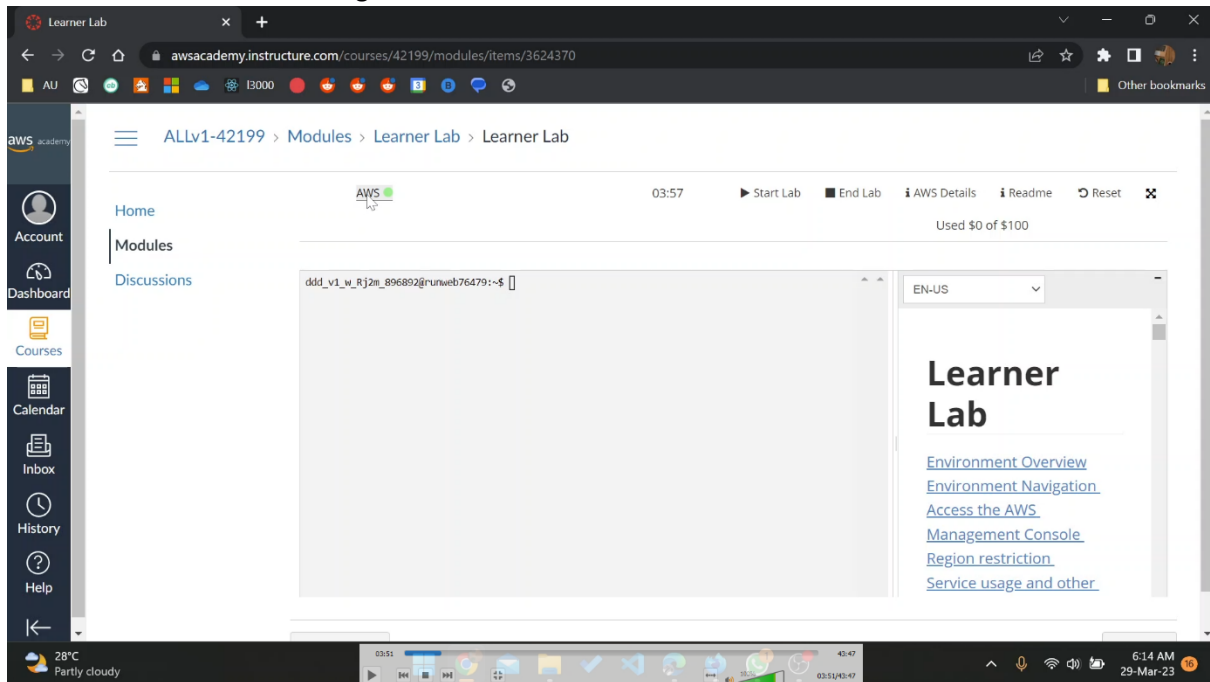
# Data Analytics and Cloud Laboratory

## EC2 Instance Creation

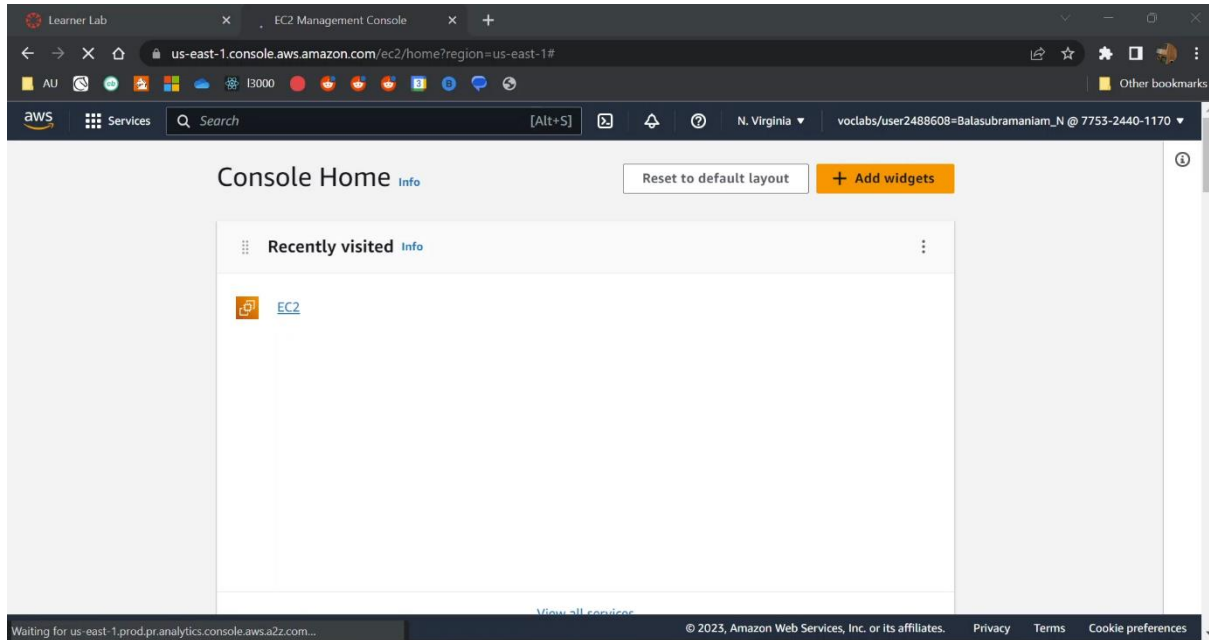
### 1. Login into AWS Canva Account



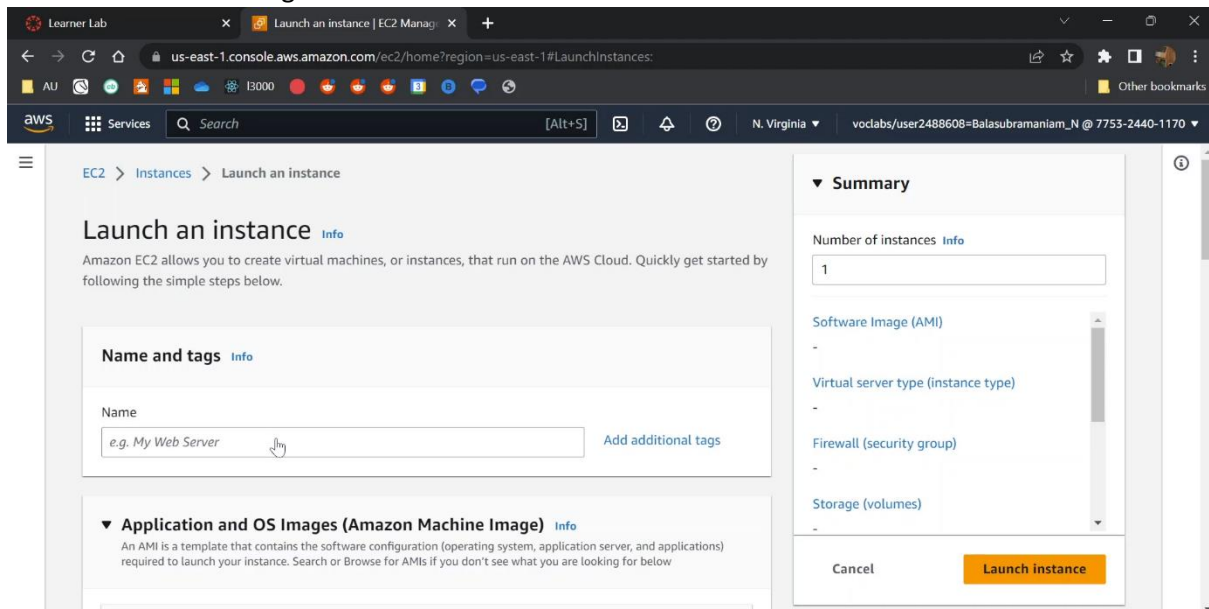
### 2. Now the terminal is running and is enabled for execution



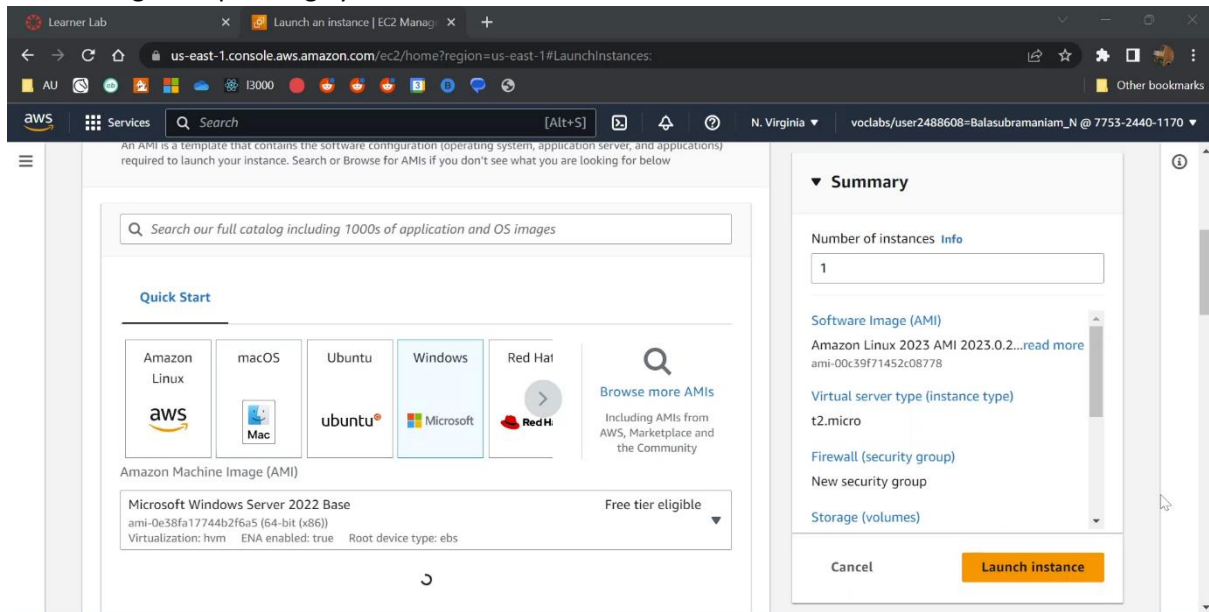
### 3. AWS Dashboard



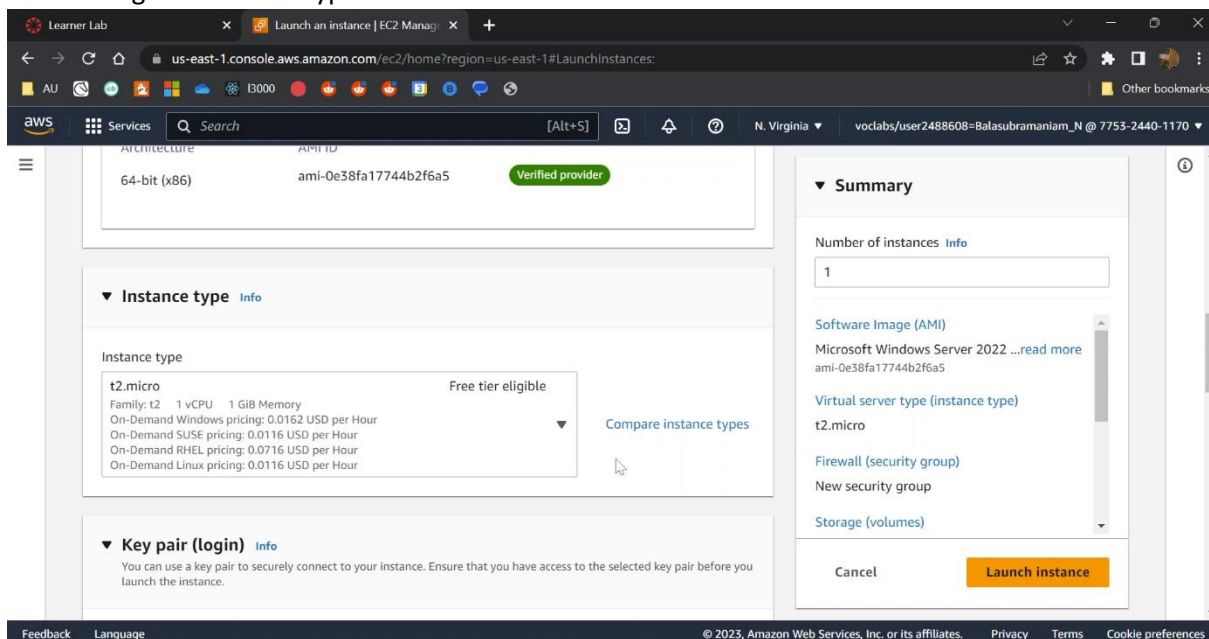
### 4. Instance Creation Page



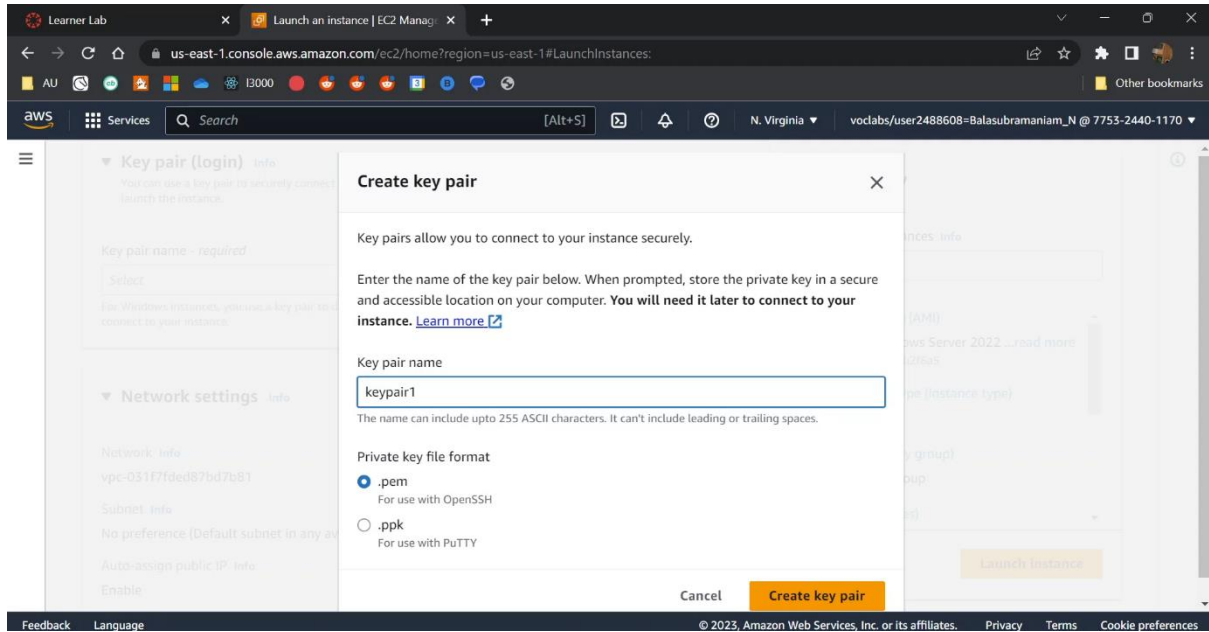
## 5. Choosing the Operating System



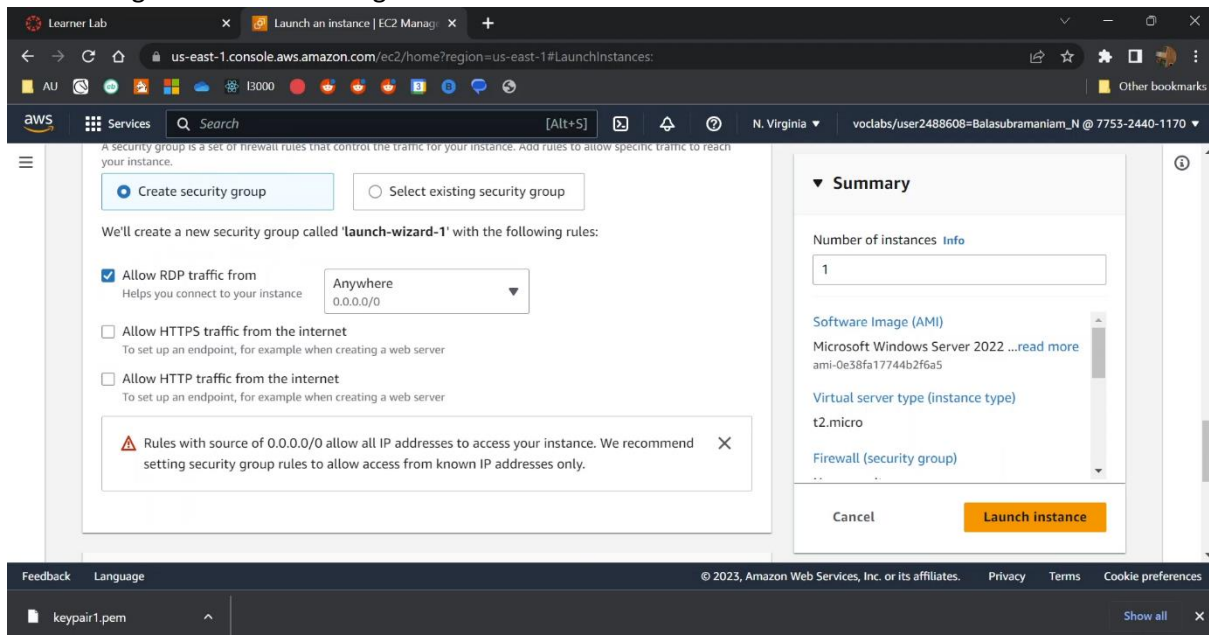
## 6. Choosing the instance type



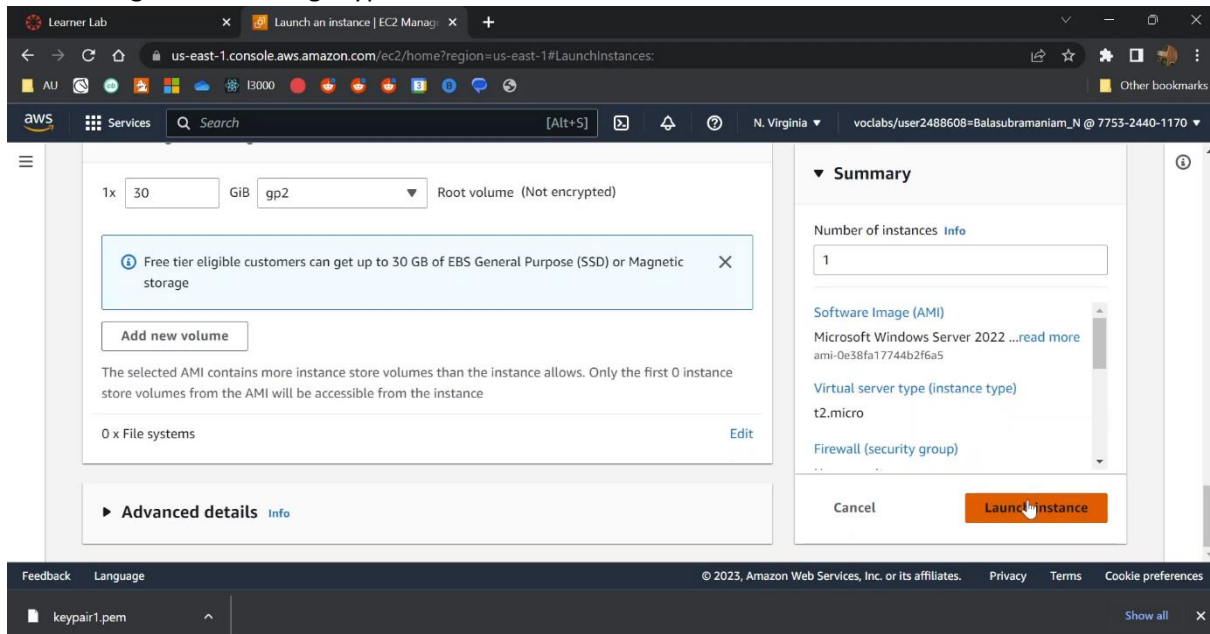
## 7. Creating a key pair



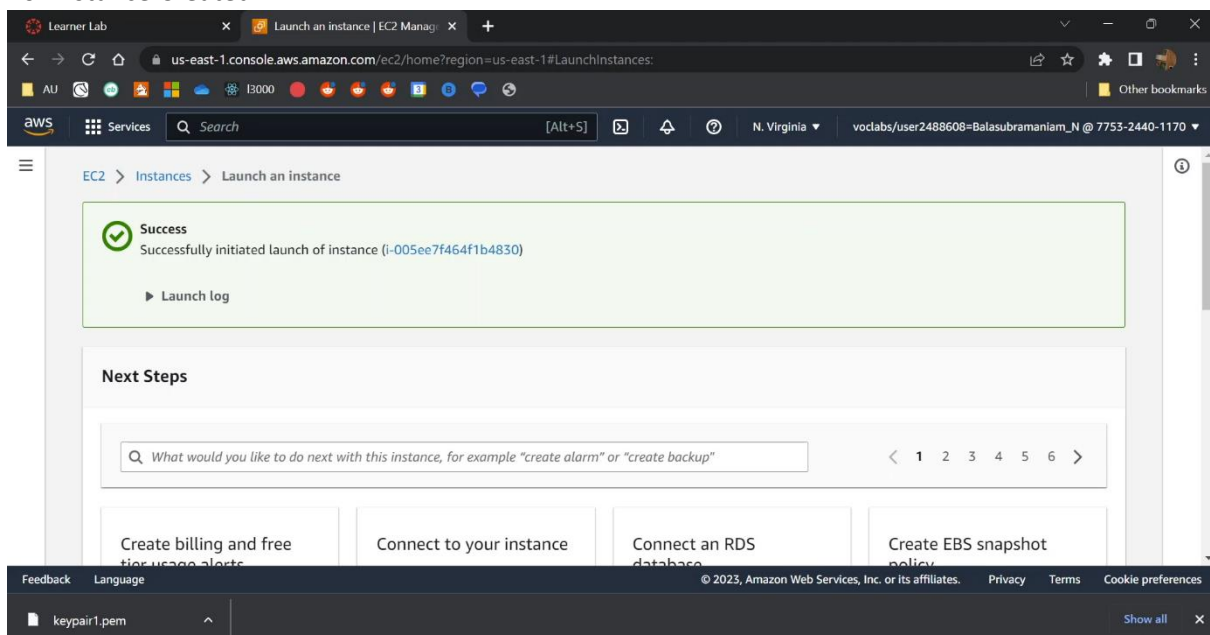
## 8. Choosing the network settings



## 9. Selecting the File Storage type



## 10. Instance Created



## 11. Instance Creation in Process

The screenshot shows the AWS Management Console for the 'us-east-1' region. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, and a dropdown for 'Instances'. The 'Instances' dropdown is expanded, showing 'Instances' (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, and Reserved Instances. The main content area is titled 'Instances (1) Info' and features a search bar, a 'Connect' button, and a dropdown for 'Instance state'. Below these is a table with one instance listed:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Instance 1	i-005ee7f464f1b4830	Pending	t2.micro	-	No alarms	us-east-1a

Below the table is a 'Select an instance' section. The bottom of the console shows a footer with '© 2023, Amazon Web Services, Inc. or its affiliates.' and links for Privacy, Terms, and Cookie preferences. A 'keypair1.pem' file is visible in the bottom left corner.

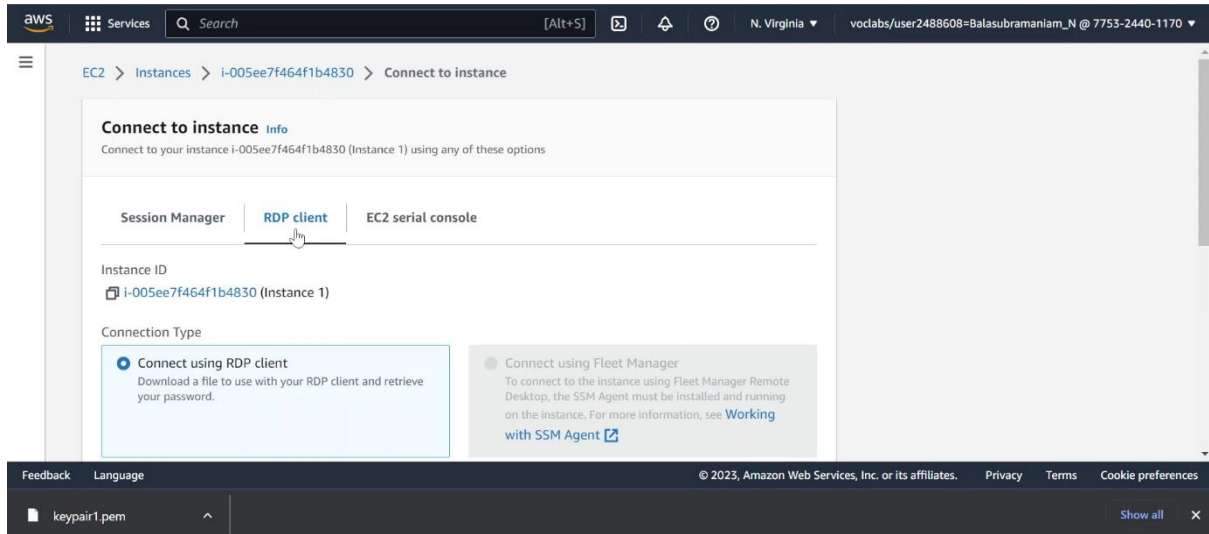
## 12. Instance successfully created

The screenshot shows the AWS Management Console for the 'us-east-1' region, similar to the previous one. The 'Instances' dropdown is expanded. The main content area shows the instance 'Instance 1' with the following details:

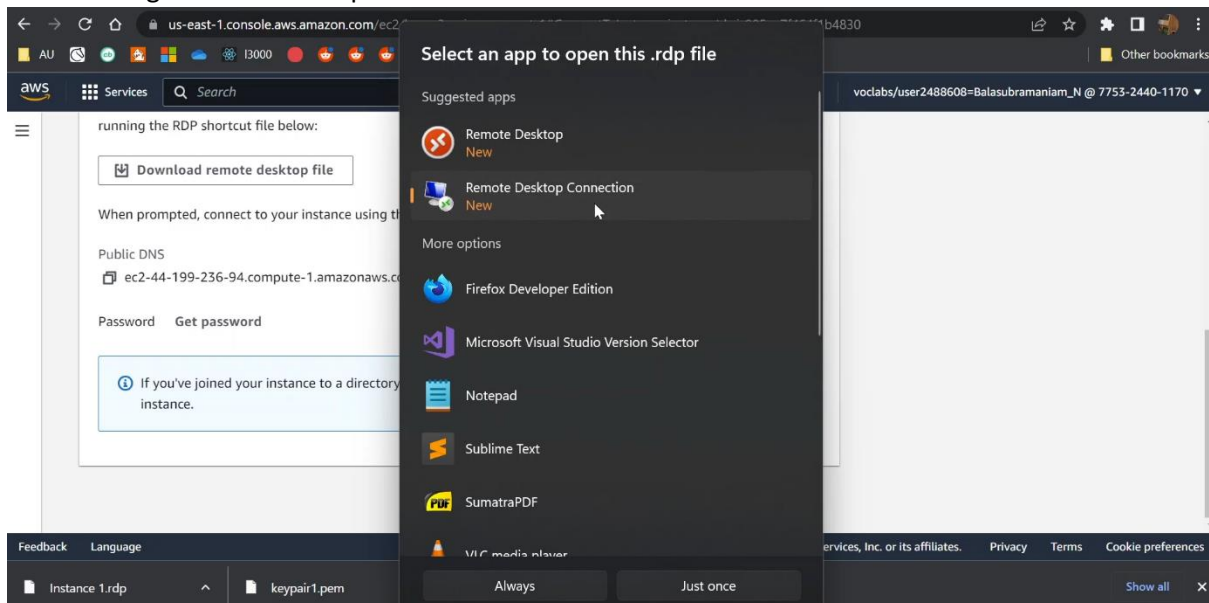
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Instance 1	i-005ee7f464f1b4830	Running	t2.micro	-	No alarms	us-east-1a

The 'Instance state' is now 'Running', indicated by a green checkmark icon. The 'Select an instance' section remains below the table. The footer and 'keypair1.pem' file are also present.

### 13. Connecting to instance via RDP Client

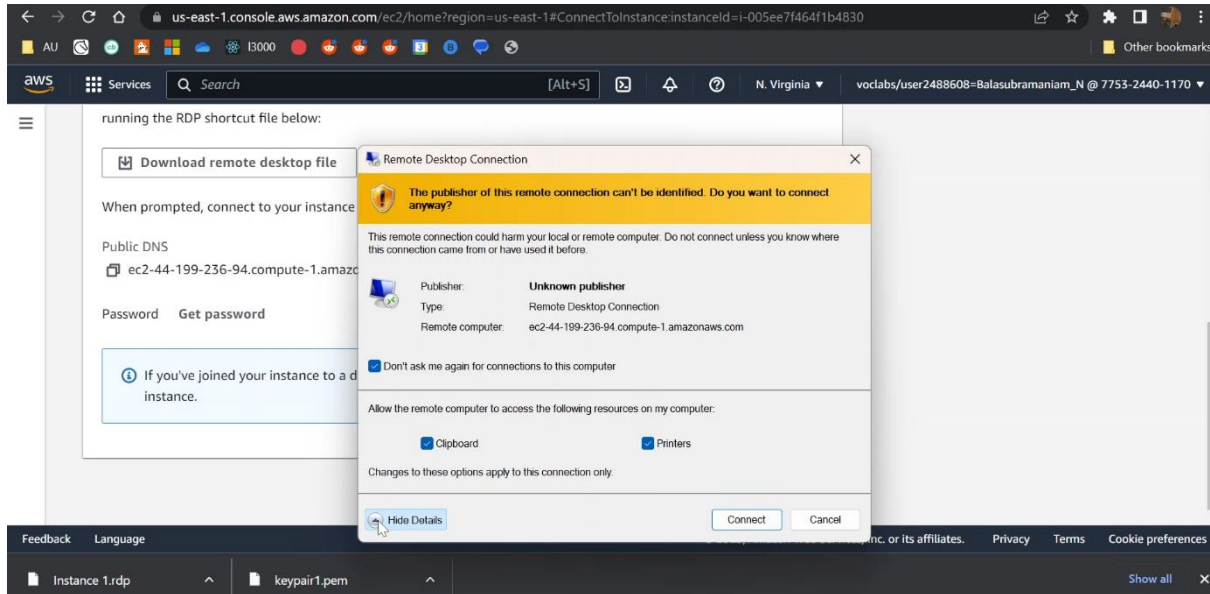


### 14. Choosing Remote Desktop Connection

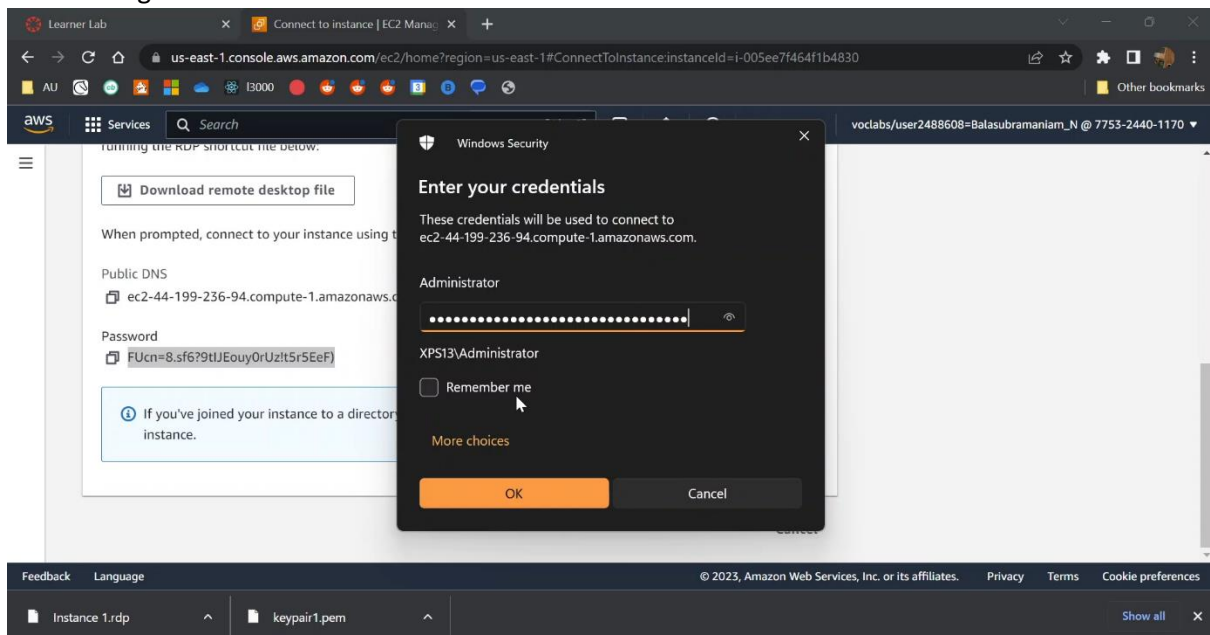




## 15. Granting permissions on Windows Systems

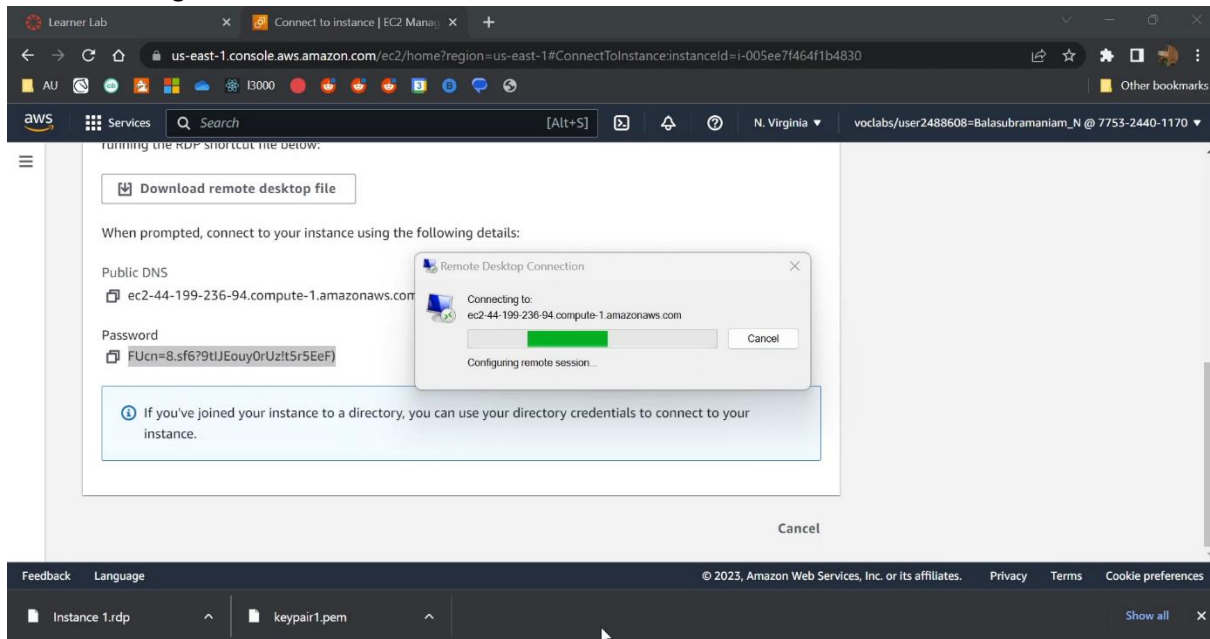


## 16. Entering the AWS credentials

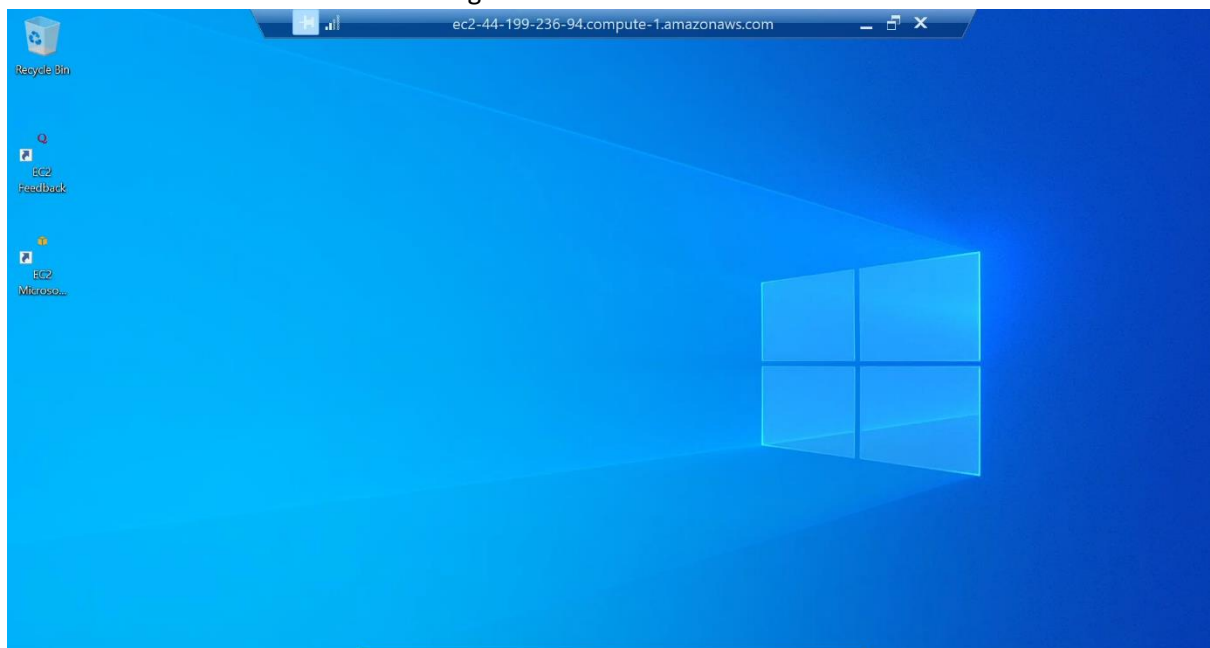




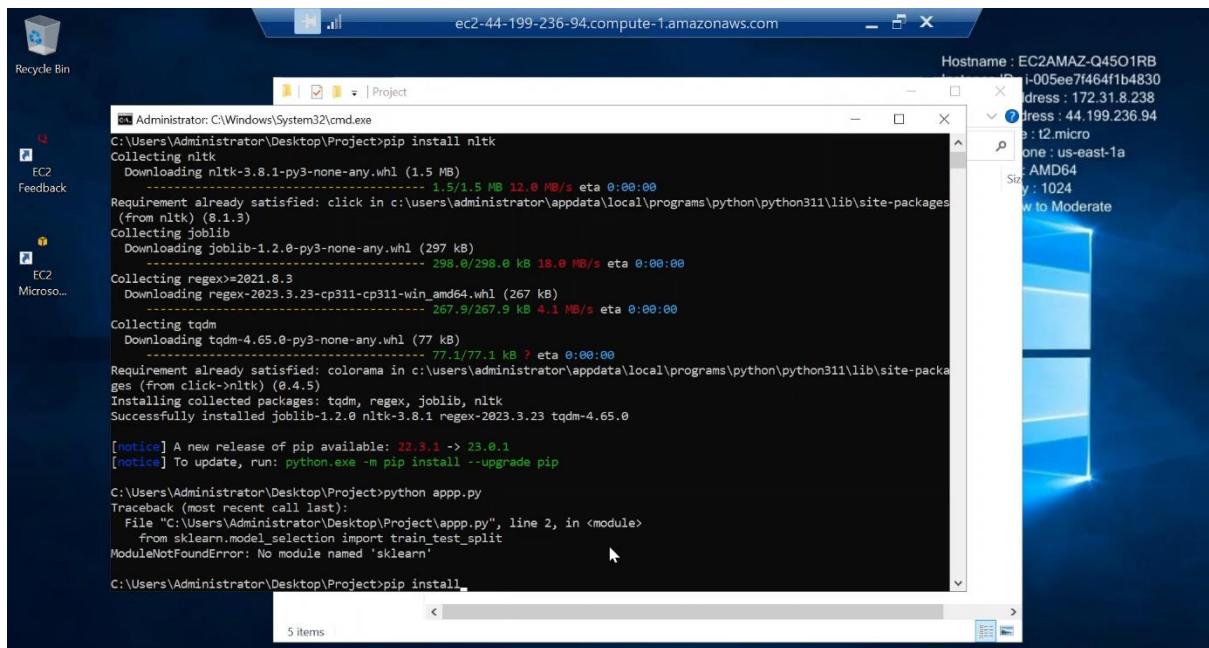
## 17. Connecting to the AWS instance



## 18. The AWS Windows server is running now



## 19. Installing required Python packages



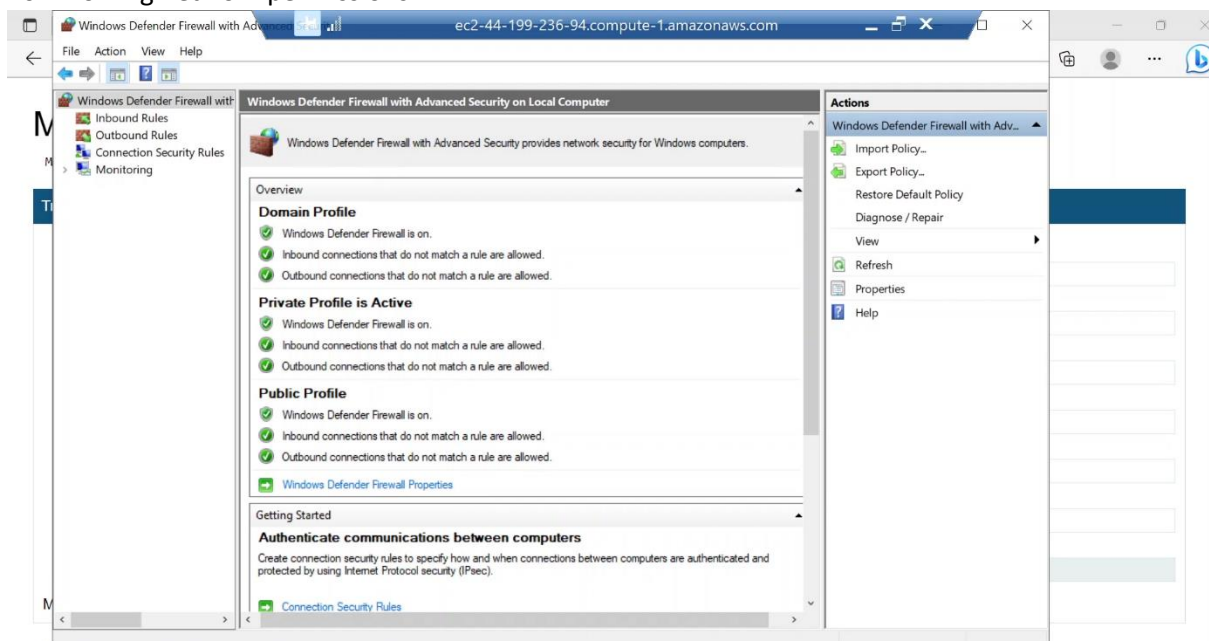
```
Administrator: C:\Windows\System32\cmd.exe
C:\Users\Administrator\Desktop\Project>pip install nltk
Collecting nltk
  Downloading nltk-3.8.1-py3-none-any.whl (1.5 MB)
    ----- 1.5/1.5 MB 12.0 MB/s eta 0:00:00
Requirement already satisfied: click in c:\users\administrator\appdata\local\programs\python\python311\lib\site-packages
(from nltk) (8.1.3)
Collecting joblib
  Downloading joblib-1.2.0-py3-none-any.whl (297 kB)
    ----- 298.0/298.0 kB 18.0 MB/s eta 0:00:00
Collecting regex==2021.8.3
  Downloading regex-2023.3.23-cp311-win_amd64.whl (267 kB)
    ----- 267.9/267.9 kB 4.1 MB/s eta 0:00:00
Collecting tqdm
  Downloading tqdm-4.65.0-py3-none-any.whl (77 kB)
    ----- 77.1/77.1 kB ? eta 0:00:00
Requirement already satisfied: colorama in c:\users\administrator\appdata\local\programs\python\python311\lib\site-packa
ges (from click>nltk) (0.4.5)
Installing collected packages: tqdm, regex, joblib, nltk
Successfully installed joblib-1.2.0 nltk-3.8.1 regex-2023.3.23 tqdm-4.65.0

[notice] A new release of pip available: 22.3.1 -> 23.0.1
[notice] To update, run: python.exe -m pip install --upgrade pip

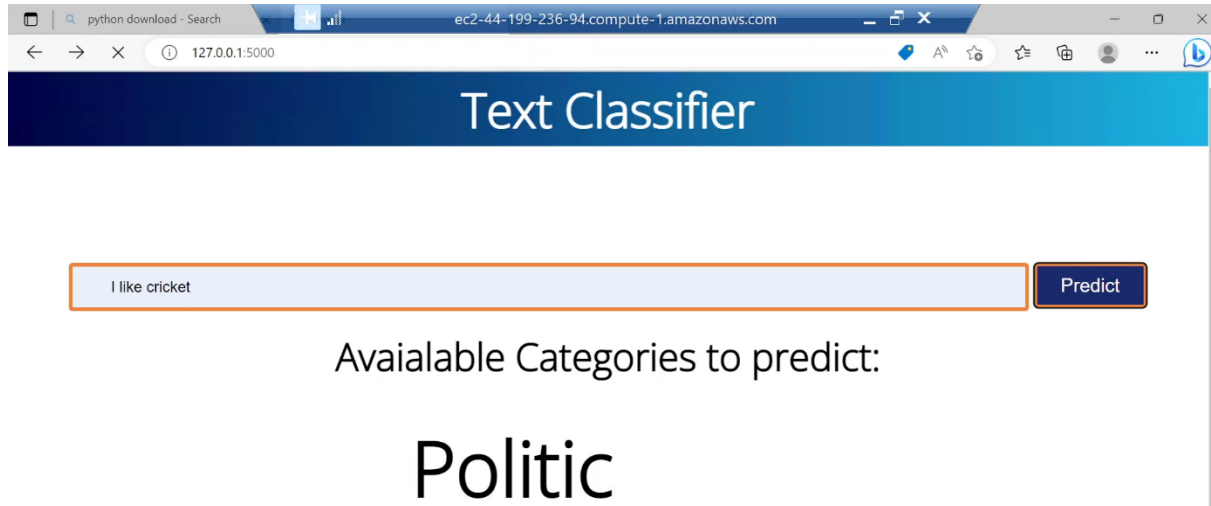
C:\Users\Administrator\Desktop\Project>python app.py
Traceback (most recent call last):
  File "C:\Users\Administrator\Desktop\Project\app.py", line 2, in <module>
    from sklearn.model_selection import train_test_split
ModuleNotFoundError: No module named 'sklearn'

C:\Users\Administrator\Desktop\Project>pip install
```

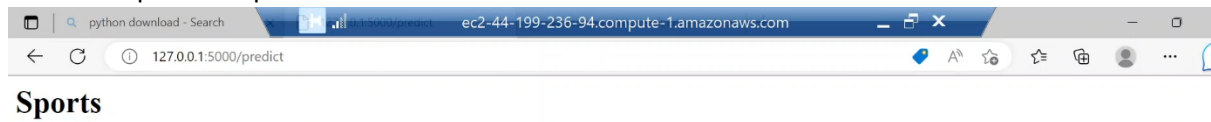
## 20. Allowing network permissions



## 21. Running the program inside the instance



## 22. The required output



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