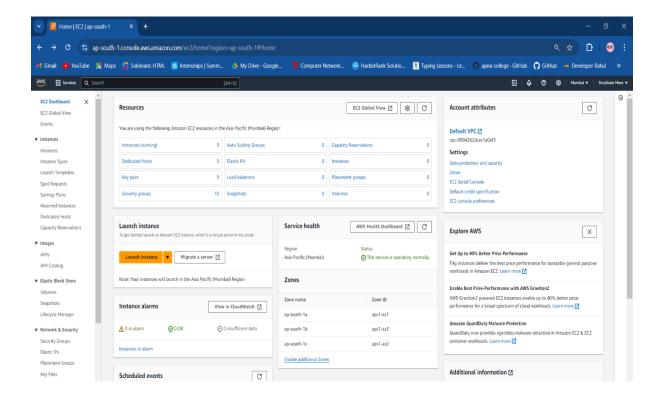
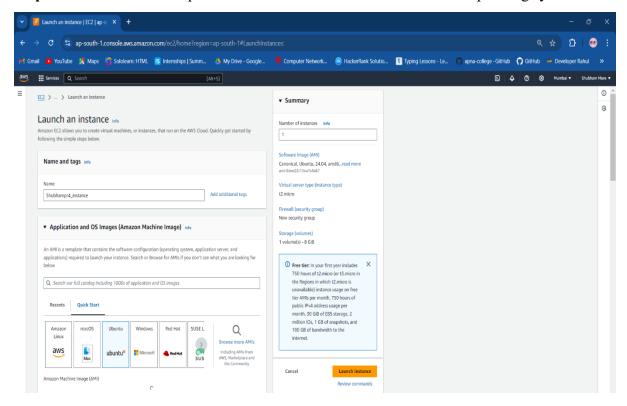
PRACTICAL - 4

Aim: To implement and configure AWS to deploy Python Program Application.

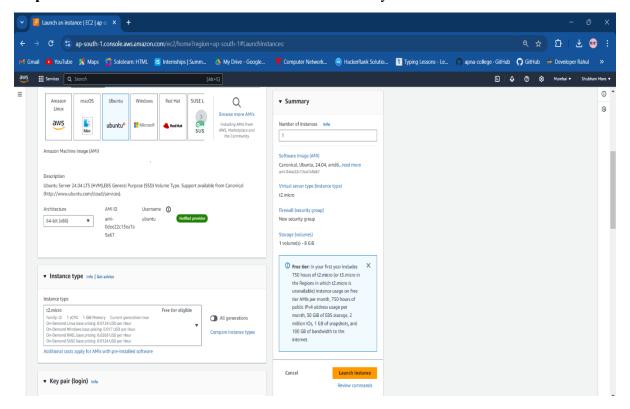
Step 1: First login to the AWS account using Email and Password. And now go to the EC2 service for creating the EC2 instance click on Launch instance.



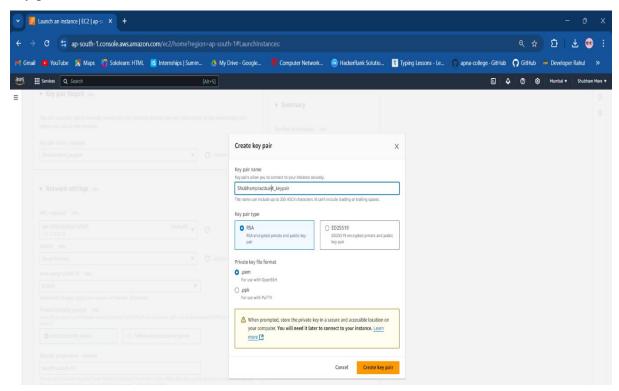
Step 2: Now Give the unique name to the instance and select Ubuntu Operating system



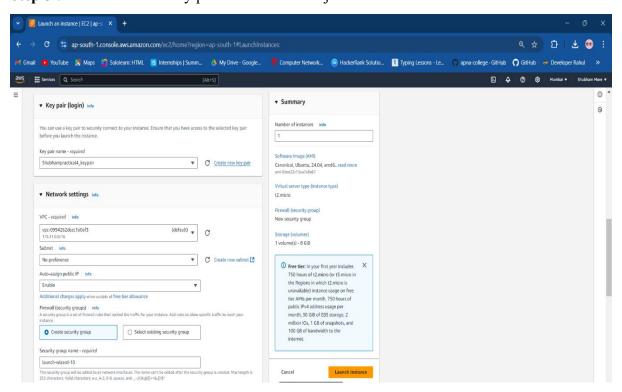
Step 3 : Now select OS and CPU to the instance. Make by default as it is.



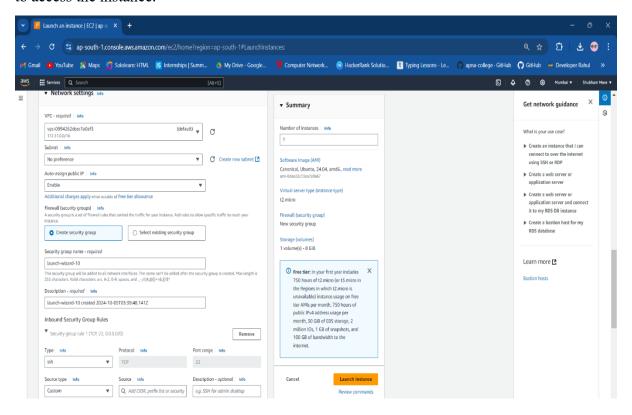
Step 4 : Now create the key pair for the EC2 instance. Give name to the key pair and click on the select key pair type as RSA and file format as pem and click on the create key pair.



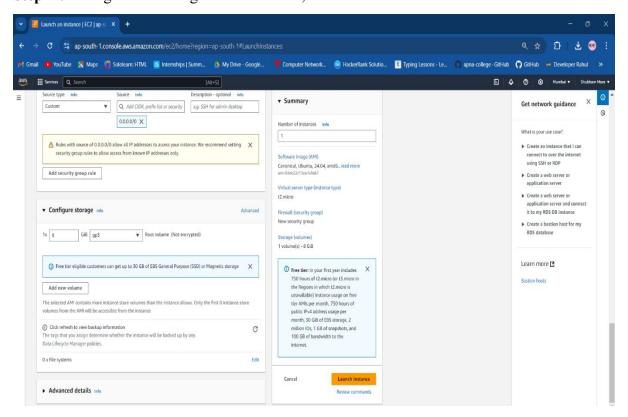
Step 5 : Now select that key pair which we have just created.



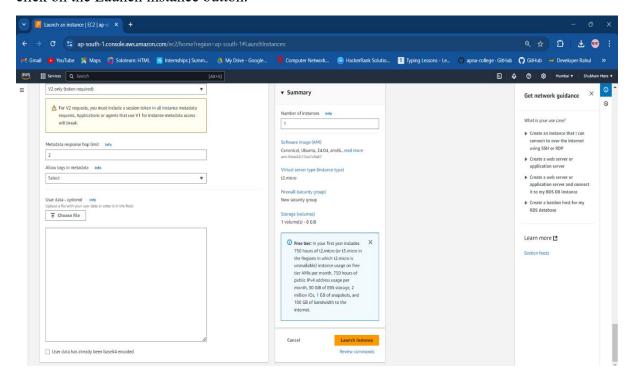
Step 6: Now go to the network setting in that we have to make http and https port open to access the instance.



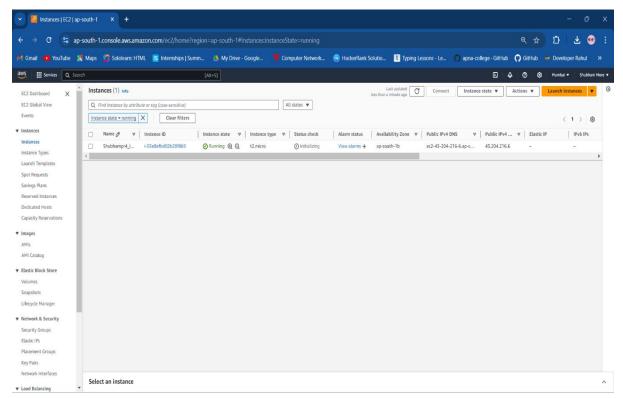
Step 7: Now give the storage to the instance, make as it is.



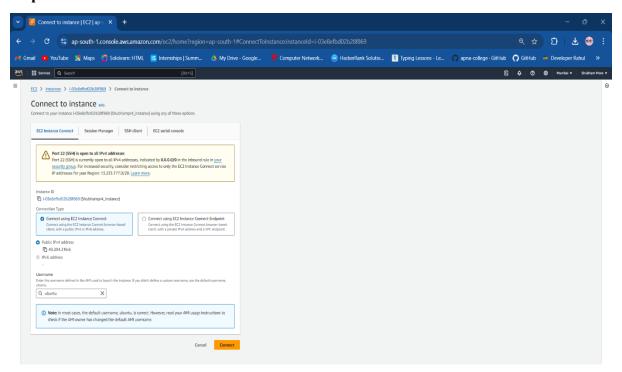
Step 8: If you want to add some bootstrap script then add it to the user data if not then click on the Launch instance button.



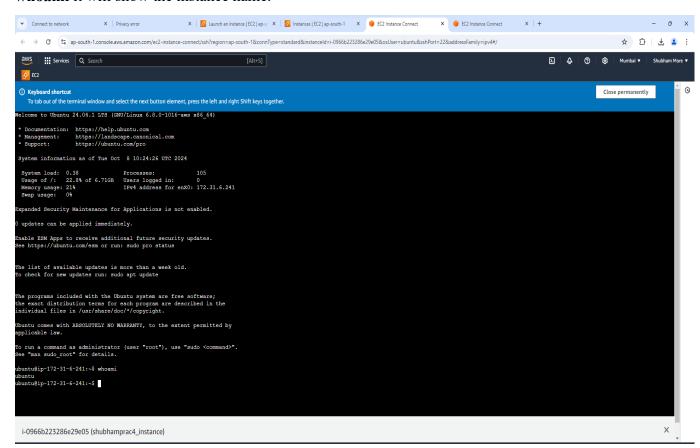
Step 9: Now check for the instance is created or not.



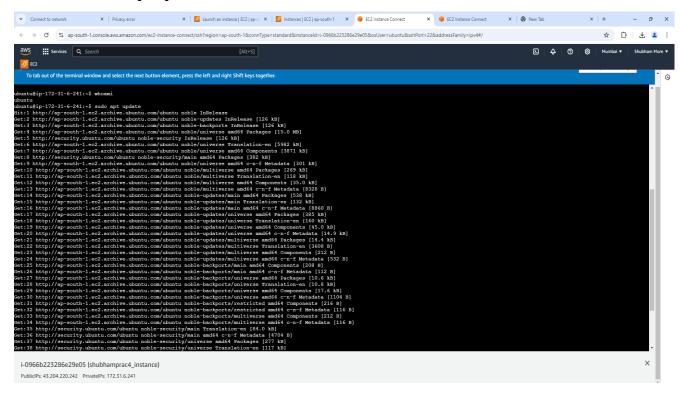
Step 10: Now click on the connect button to connect EC2 instance.



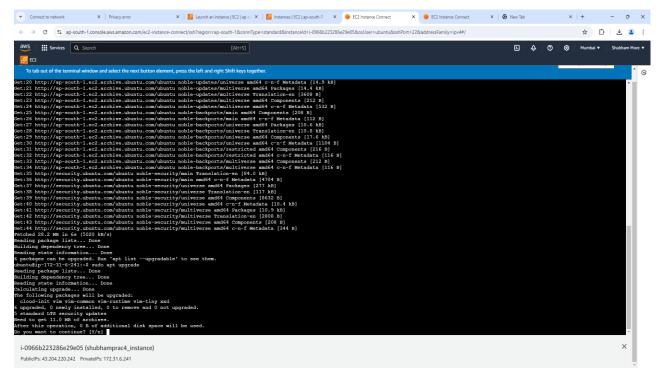
Step 11: Now show the terminal of our EC2 instance to see execute the command **whoami** it will show the instance name.



Step 12: Use the following command to update your system before initiating a new installation **sudo apt update**

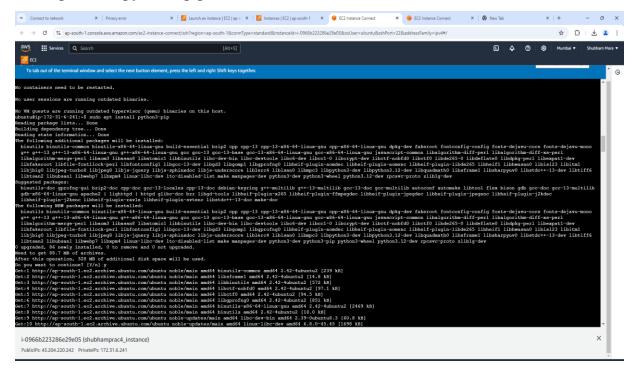


 $\begin{tabular}{ll} \textbf{Step 13}: Now use following command to upgrade ubuntu and type y for confirmation.} \\ \textbf{sudo apt upgrade} \end{tabular}$



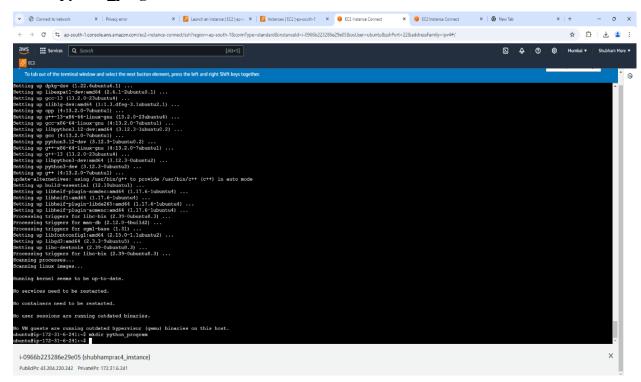
Step 14: Now to install Python3 in VM, use following command.

sudo apt install python3-pip



Step 15: Now use following command to create folder/directory in your ubuntu machine.

mkdir python program



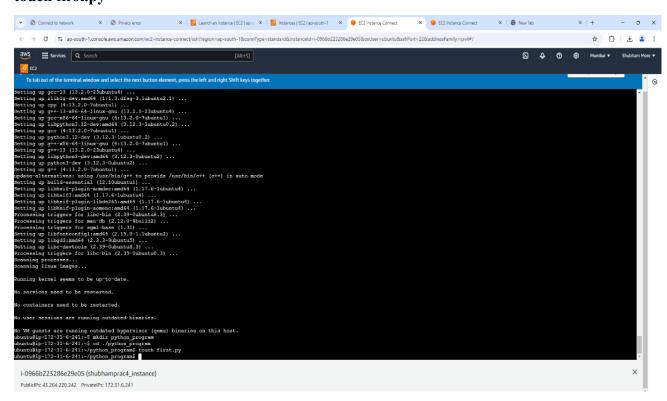
Step 16: Now use following command to change directory to python_program.

cd ./python_program

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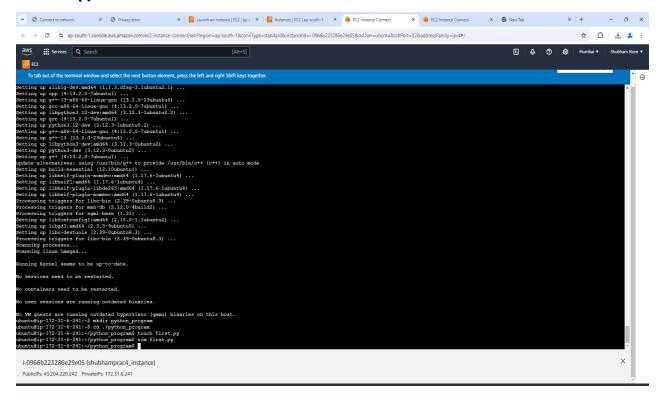
Step 17: Now use following command to create a file with py extension.

touch first.py

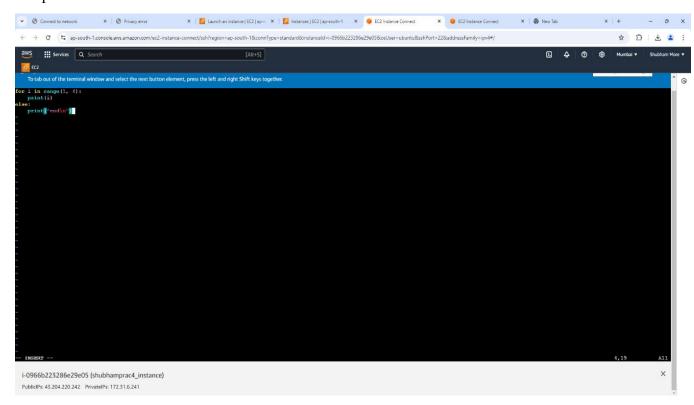


Step 18: Now use following command to write a code in intro.py file.

vim first.py

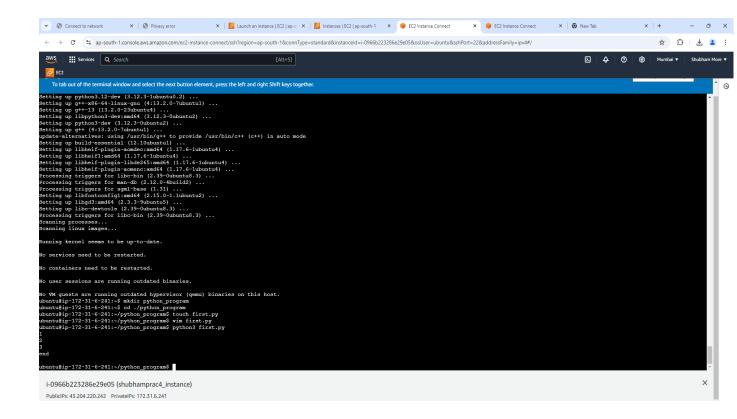


Step 19: To write press "i" and when you are writing is over then press "esc" and then ":wq" then enter.



Step 20: Now use below command to run the python code.

python3 first.py



Conclusion: Hence in this practical, we have successfully implemented and deployed the python application on EC2 instance.