Atria Institute of Technology

Department of Information Science and Engineering

Big Data Analytics (18CS72)

Assignment-1

SUBMITTED BY

Name: SONU KUMAR MUKHIYA

USN: 1AT20IS092

Section: B

Submission Date: 27-11-2023

COURSE HANDLING FACULTY NAME:

Dr. K S Ananda Kumar

Associate Professor

Dept of ISE, Atria IT.

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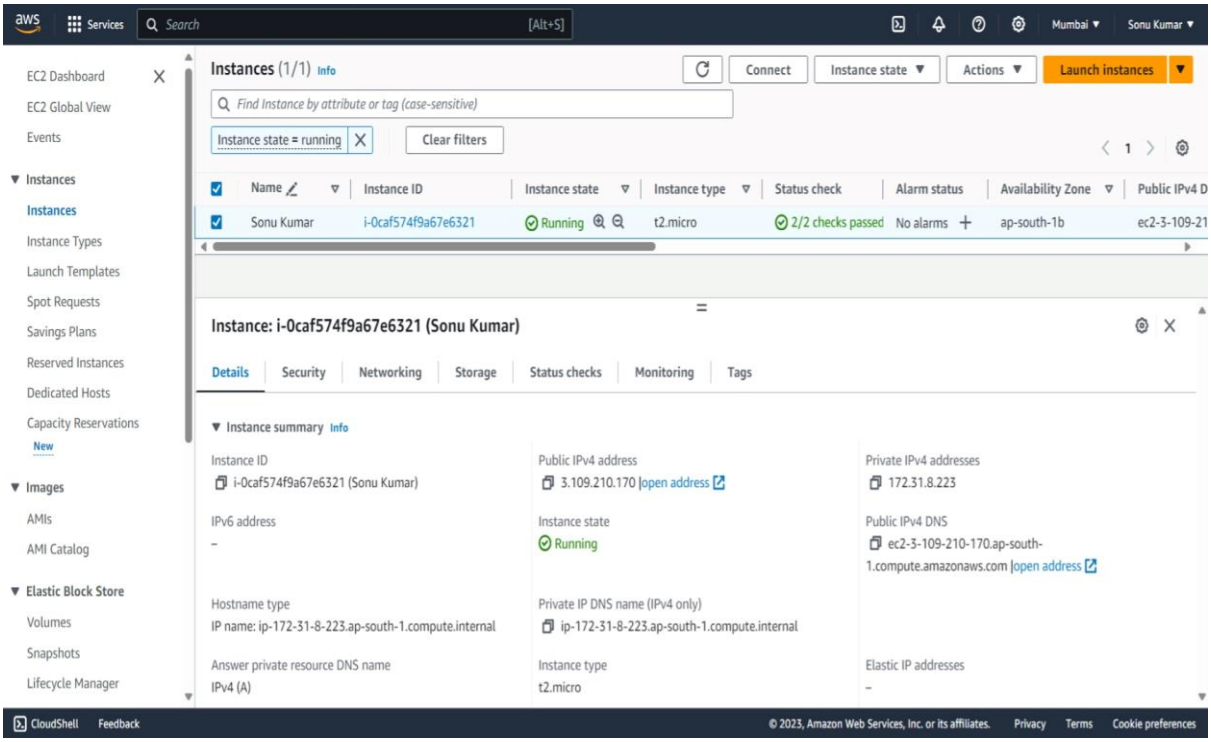
Instance Creation-01

SCREENSHOTS OF AWS INSTANCE



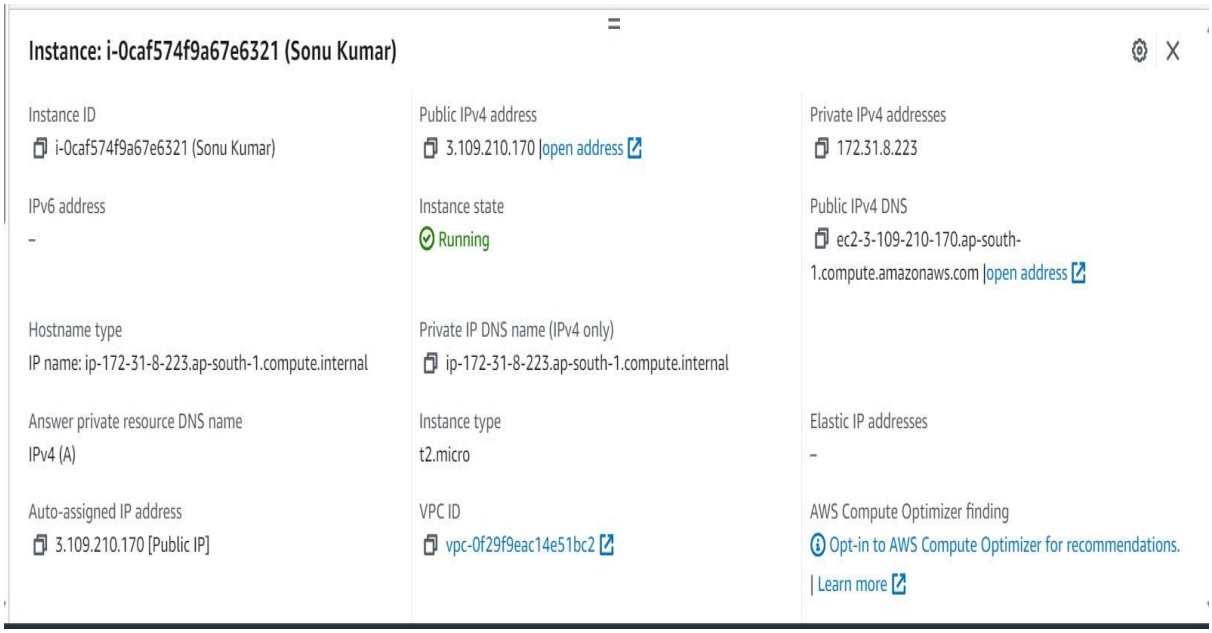
- Instance:
  i-0caf574f9a67e6321 (Sonu Kumar)

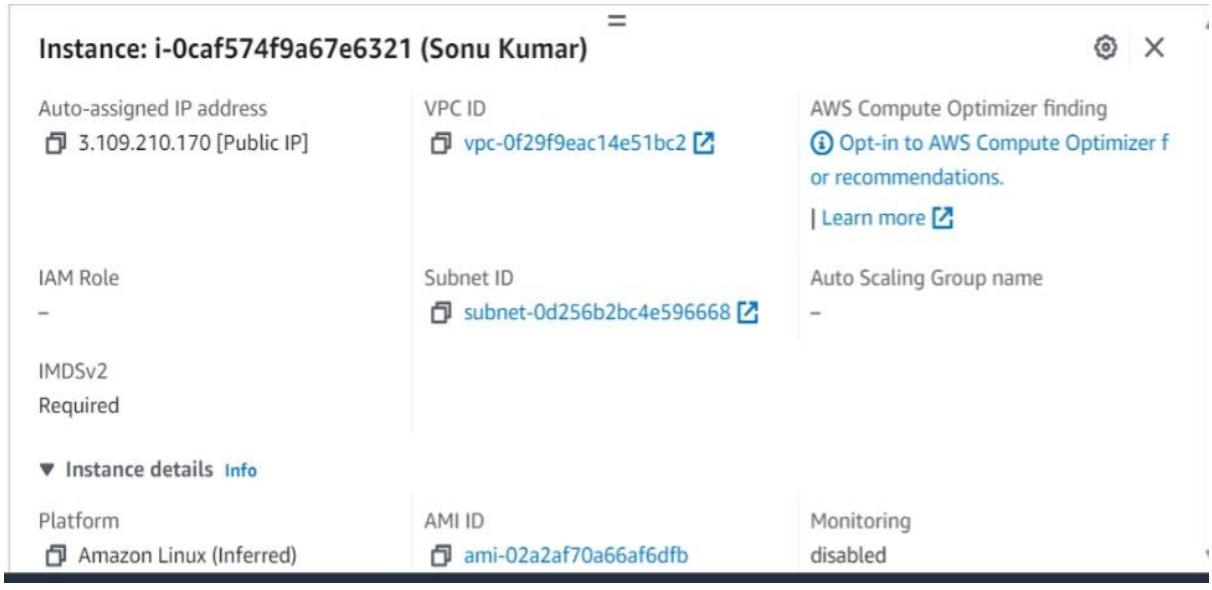
- Instance ID:
  i-0caf574f9a67e6321

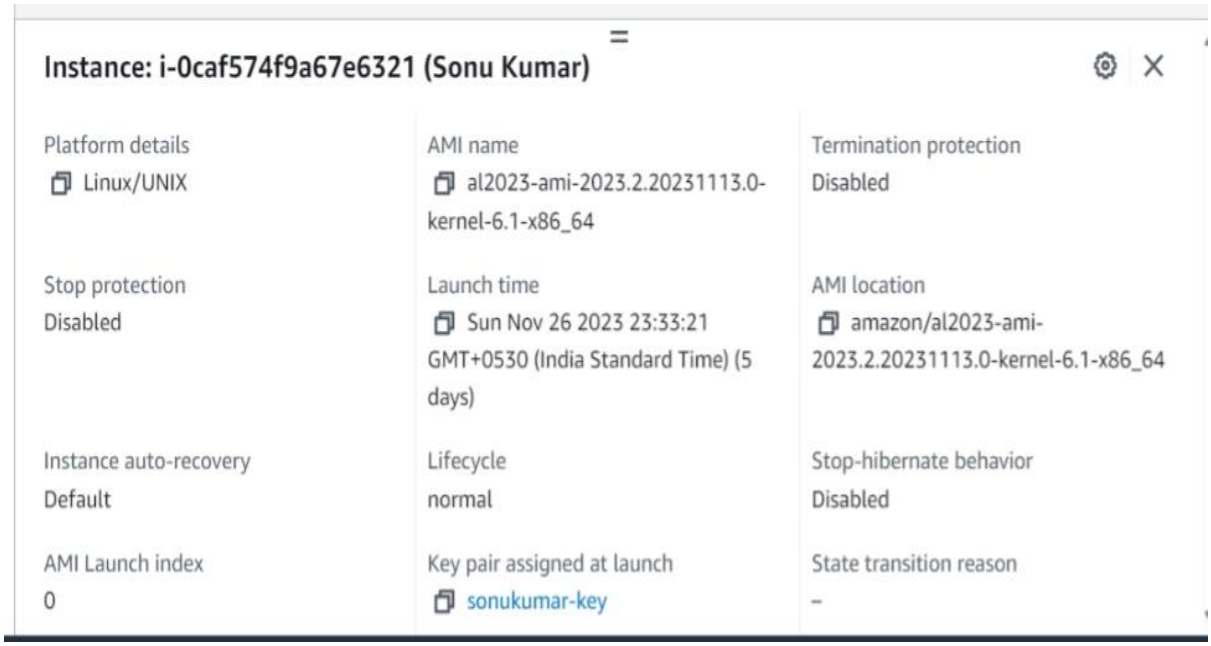
- Public IPv4 address:
  3.109.210.170
- Private IPv4 addresses:
  172.31.8.223

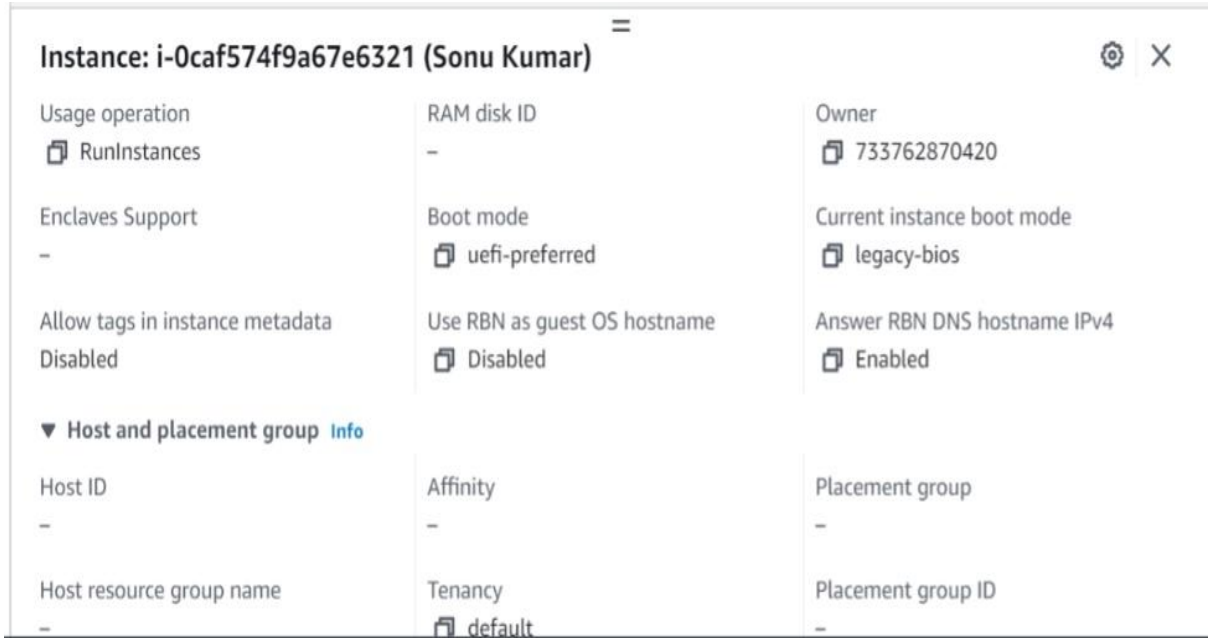
- Instance state:
  Running

SCREENSHOTS OF AWS INSTANCE

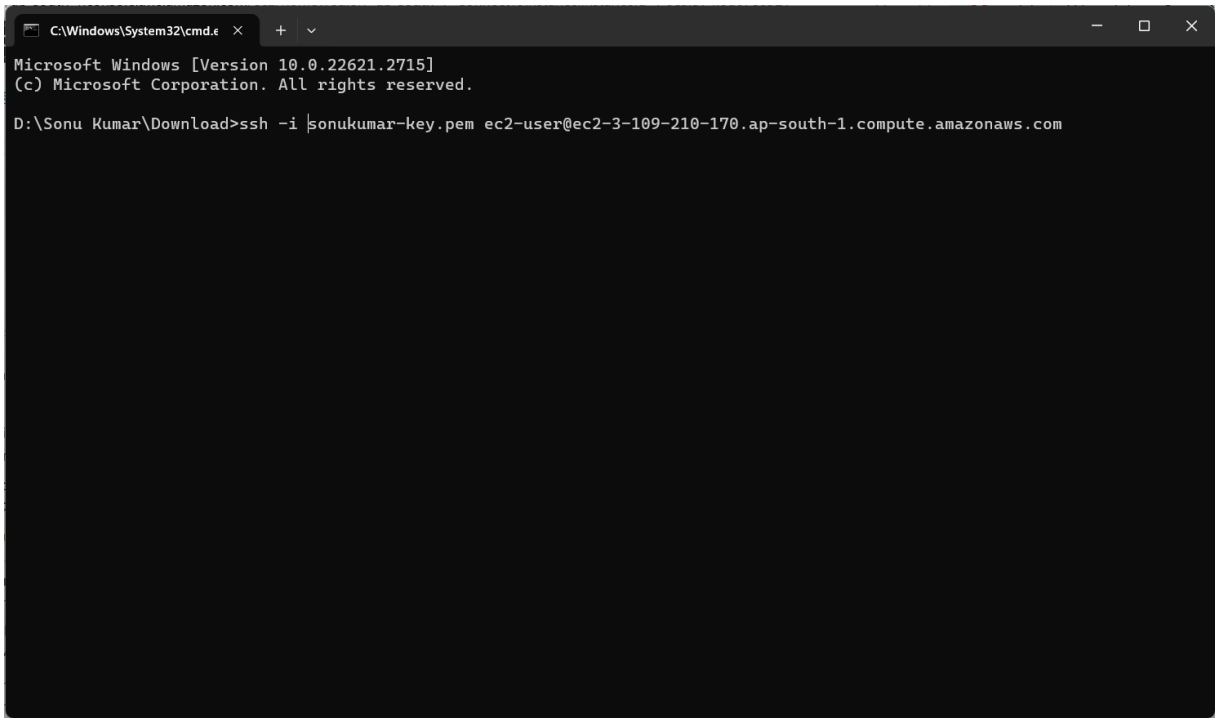




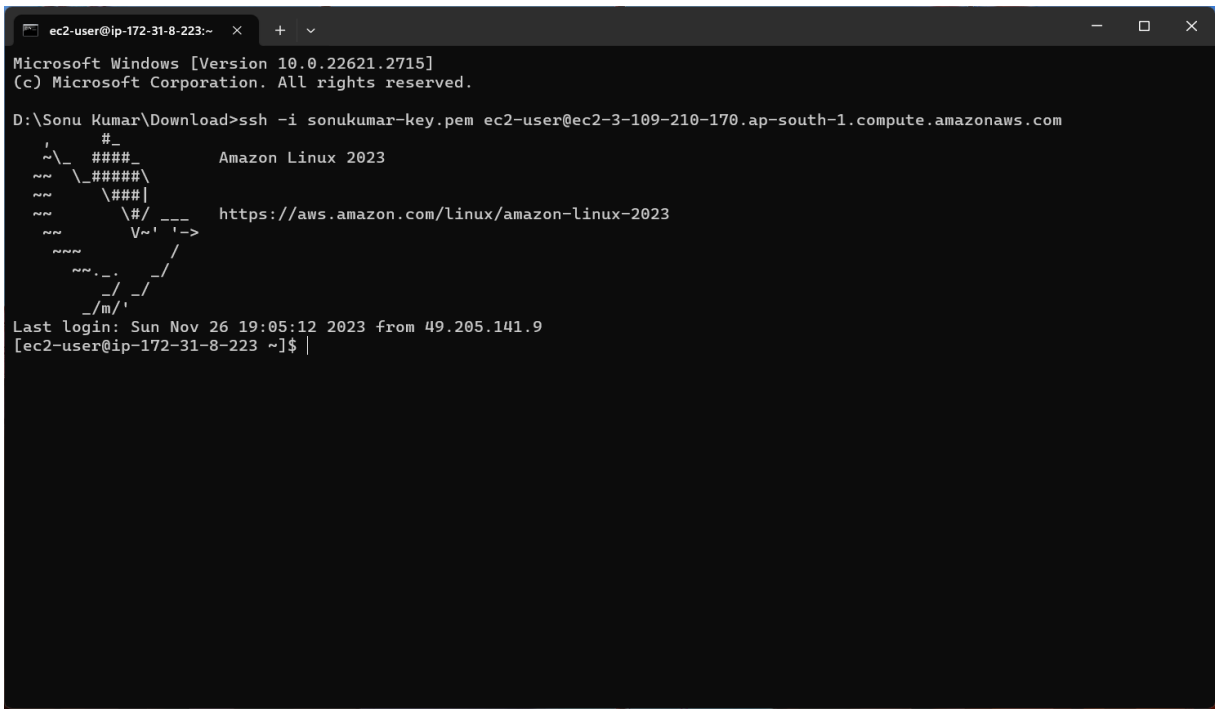

Instance: i-0caf574f9a67e6321 (Sonu Kumar)
Platform details
Linux/UNIX
AMI name
al2023-ami-2023.2.20231113.0-kernel-6.1-x86_64
Termination protection
Disabled
Stop protection
Disabled
Launch time
Sun Nov 26 2023 23:33:21 GMT+0530 (India Standard Time) (5 days)
AMI location
amazon/al2023-ami-2023.2.20231113.0-kernel-6.1-x86_64
Instance auto-recovery
Default
Lifecycle
normal
Stop-hibernate behavior
Disabled
AMI Launch index
0
Key pair assigned at launch
sonukumar-key
State transition reason
–


Instance: i-0caf574f9a67e6321 (Sonu Kumar)
Usage operation
RunInstances
RAM disk ID
–
Owner
733762870420
Enclaves Support
–
Boot mode
uefi-preferred
Current instance boot mode
legacy-bios
Allow tags in instance metadata
Disabled
Use RBN as guest OS hostname
Disabled
Answer RBN DNS hostname IPv4
Enabled
Host and placement group Info
Host ID
–
Affinity
–
Placement group
–
Host resource group name
–
Tenancy
default
Placement group ID
–

SCREENSHOTS FROM command-prompt

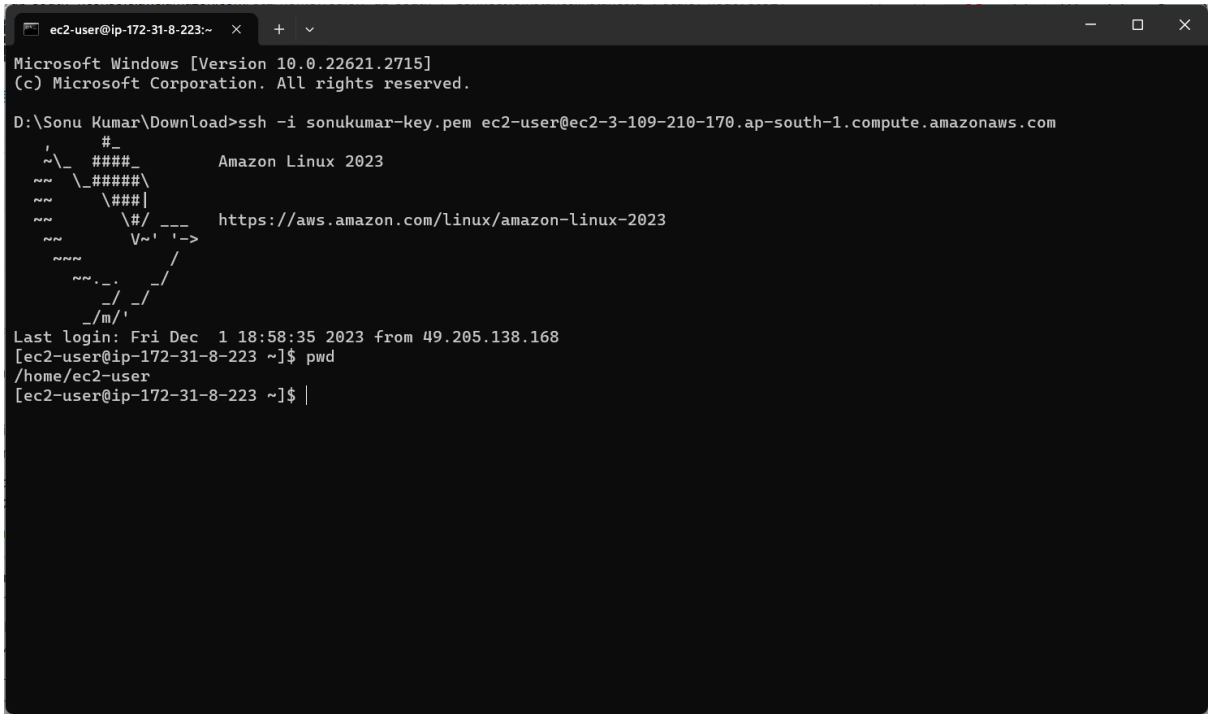


In command prompt enter the ssh key



Ater successful login it authenticates and now we can enter any commands.

SCREENSHOTS FROM command prompt



- pwd:

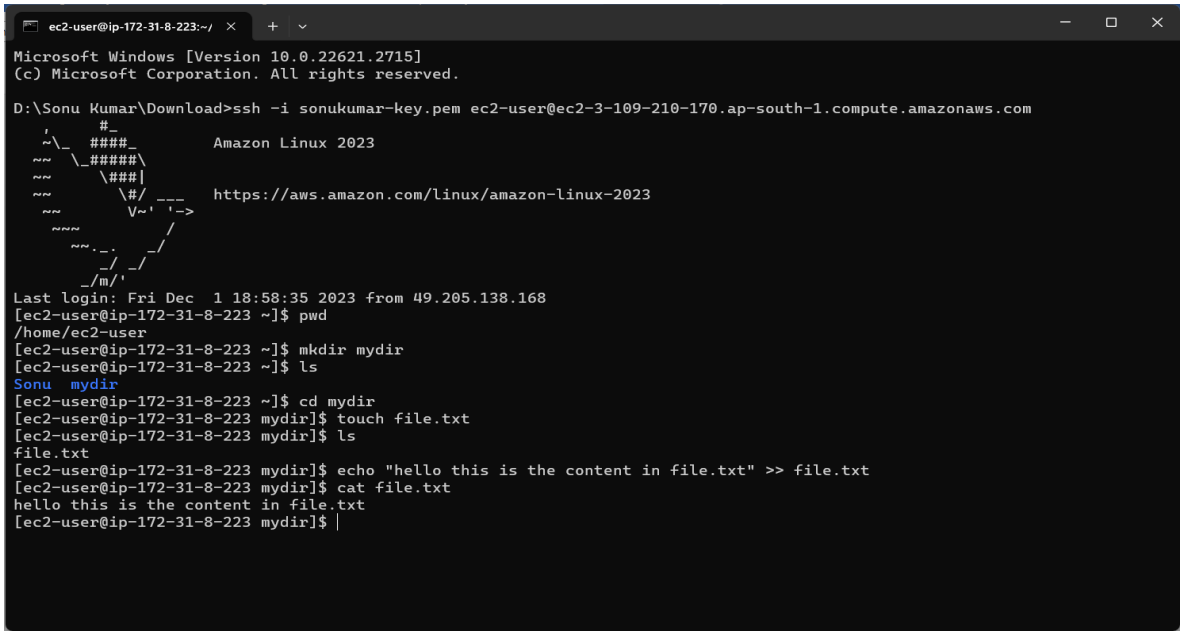
  pwd is used to present working directory, this gave the output /home/ec2-user

- mkdir:

  The mkdir (**m**a**k**e **dir**ectory) command creates a new directory in the provided location. I have created a directory called mydir .

- ls:

  The ls command (**lis**t) prints a list of the current directory's contents. Therefore we got the directory created display as output.



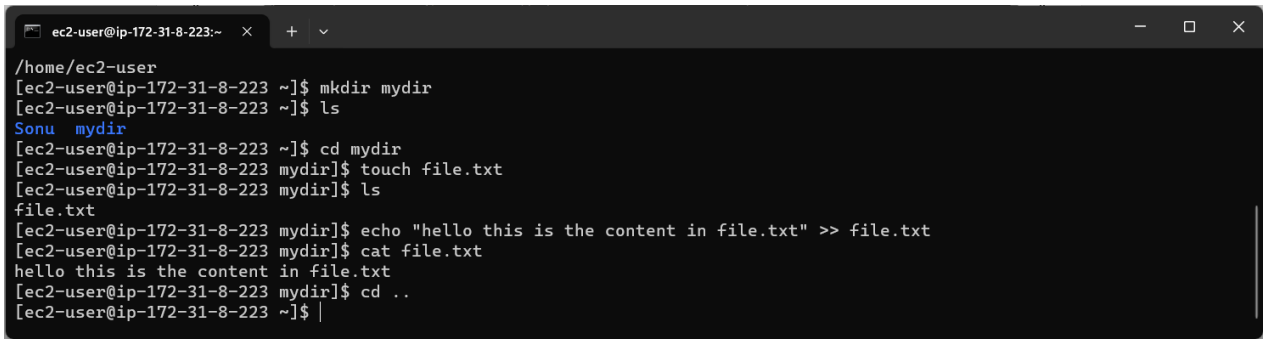
- touch:
  - The touch command's primary purpose is to modify an existing file's timestamp. The command creates an empty file if it does not exist. Due to this effect, touch is also a quick way to make a new file (or a batch of files).
  - Here I have created a txt file called new_file first then a second txt file called file_txt.
  - Using ls command we can find where these files have been created .

- cat:
  - The cat command (con**cat**enate) displays the contents of a file in the terminal (standard output or stdout).
  - To use the command, provide a file name from the current directory.
  - Here I provide the txt file called new_file.txt.
- echo:
  - The echo command to print arguments to the terminal.
  - Here I have used echo “hello this is the content in

new_file.txt".

- The >> operator redirects output to a file.

Later I use cat to find the content in new_file.txt. Therefore we can see that "hello this is the content in new_file.txt" has been added to new_file.txt



cat file.txt is executed to show that there is no content in file.txt.

- cp:
  - The main way to copy files and directories in Linux is through the cp (**cop**y) command. cp <source file> <target file>.
  - The source and target files must have different names since the command copies in the same directory. Provide a path before the file name to copy to another location.
  - Here we are copying the content of new_file.txt into file.txt using cp [cp new_file.txt file.txt]
  - Then when we use cat on file.txt it shows "hello this is the content in new_file.txt" so content is successfully copied.
  - Now we make use of echo and >> to add a new line in file.txt i.e "after copying contents from new_file I am adding a new line into file.txt".
  - Now when cat is used on file.txt both are lines are given as output.

Assignment GitHub Link:

https://github.com/sonuku092/BDA_Assignment1

sonuku092/BDA_Assignment1: AWS instance EC2 (github.com)