Atria Institute of Technology

Department of Information Science and Engineering

Big Data Analytics (18CS72)

Assignment-1

SUBMITTED BY

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Section: B

Submission Date:01/12/23

Course Handling Faculty Name:

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Associate Professor
Dept of ISE, Atria IT.

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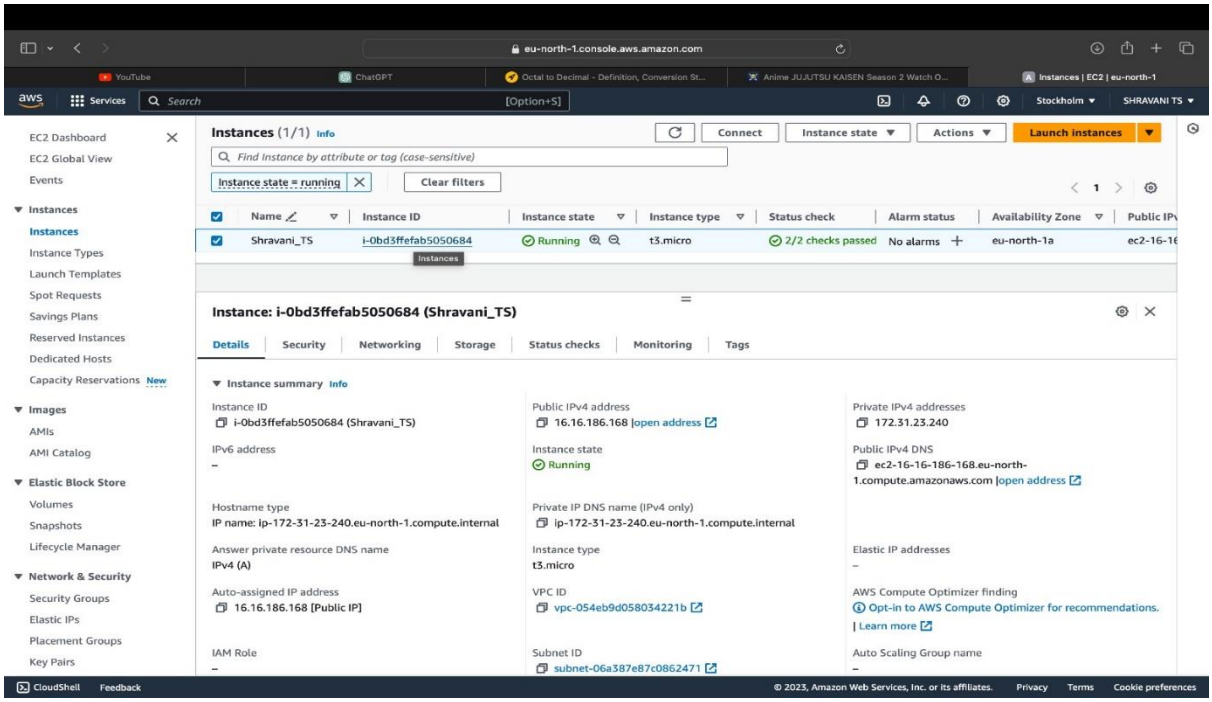
Instance Creation-01



- Instance:
  i-0bd3ffefab5050684 (Shravani_TS)

- Instance ID:
  i-0bd3ffefab5050684 (Shravani_TS)

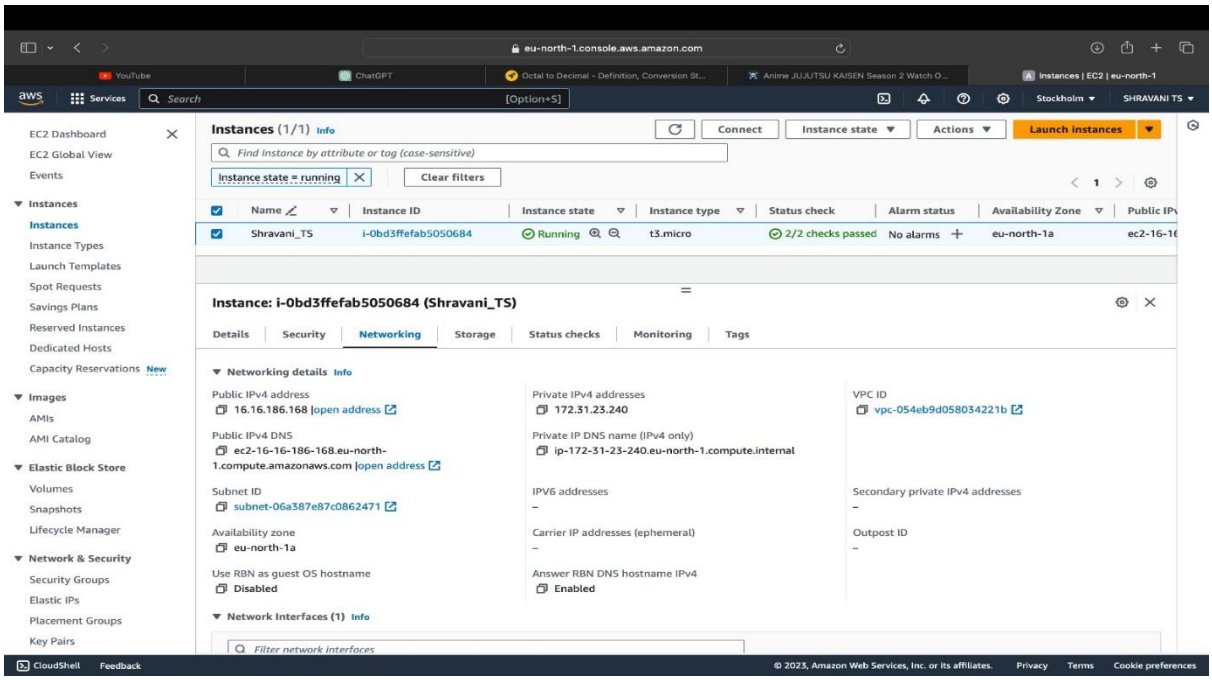
- Public IPv4 address:
  16.16.186.168

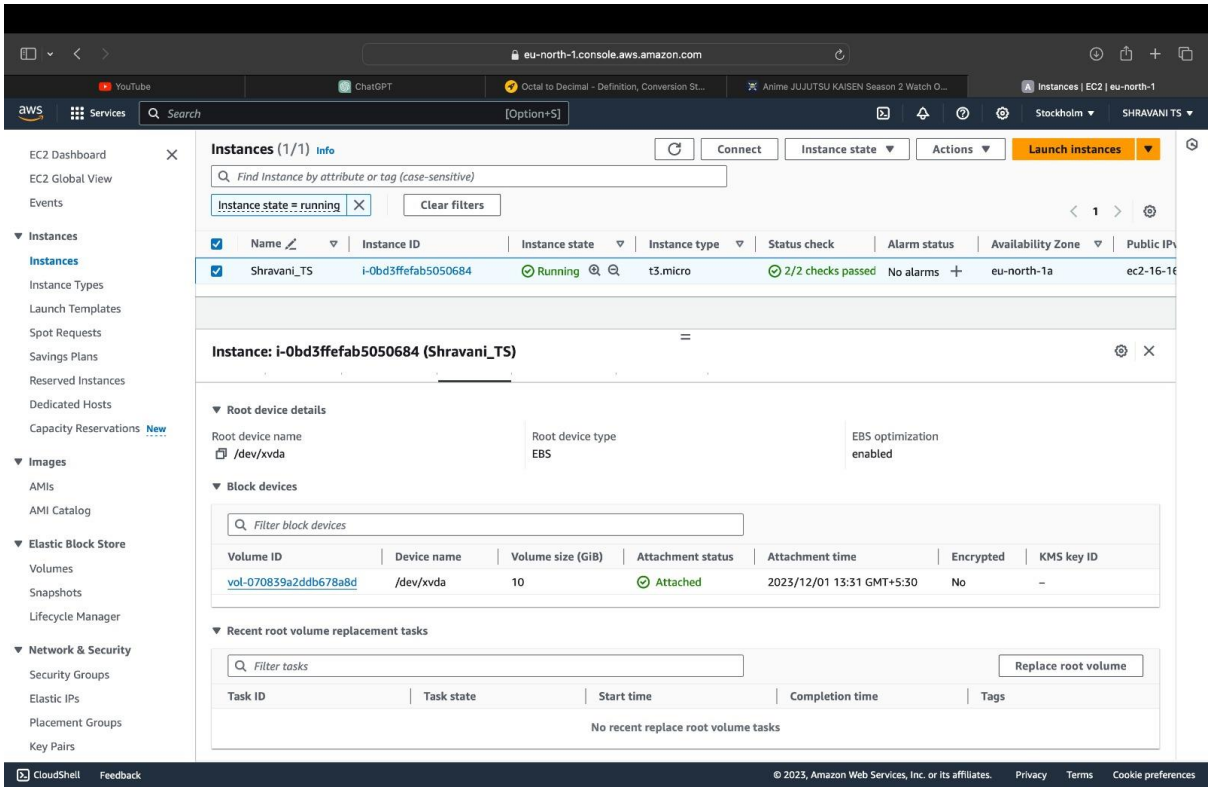
- Private IPv4 addresses:
  172.31.23.240

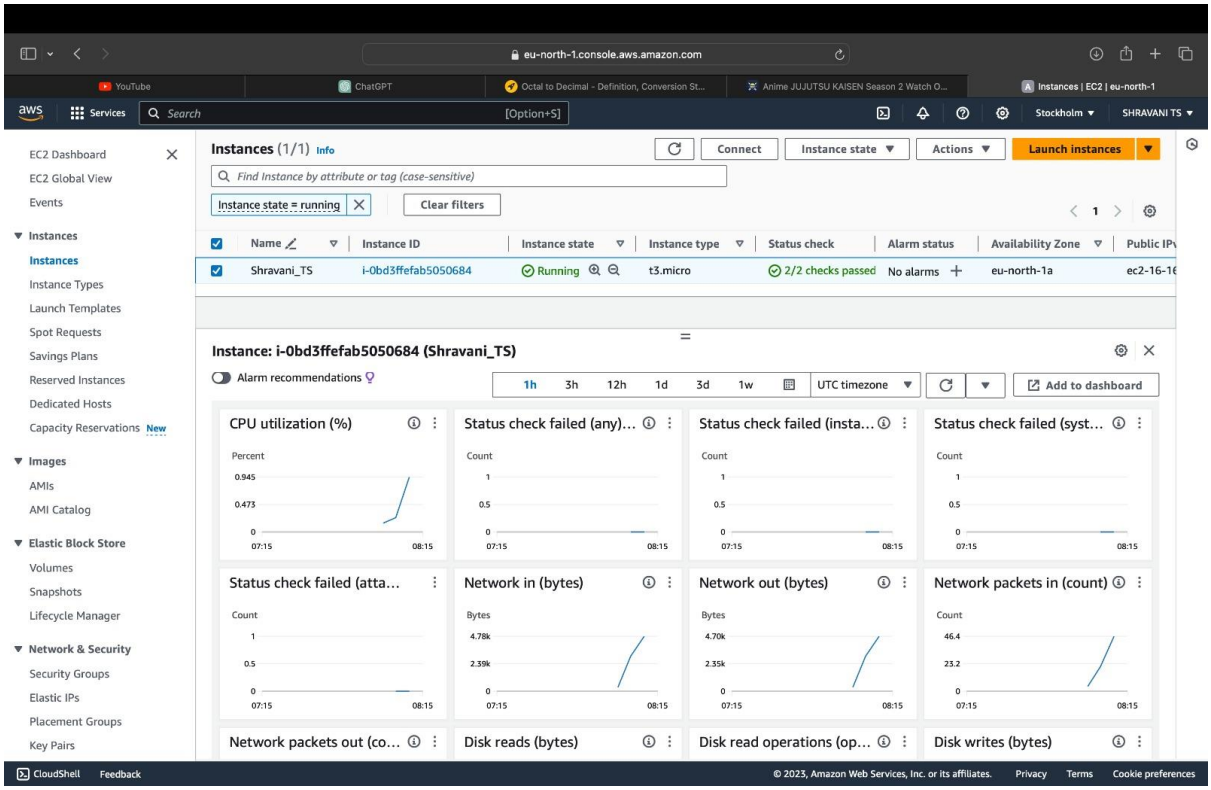
- Instance state:
  Running

Screenshots of AWS Instance:

These screenshots gives the details about the instance.






eu-north-1.console.aws.amazon.com
Instances | EC2 | eu-north-1
Services
Search
[Option+S]
Stockholm
SHRAVANI TS
EC2 Dashboard
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Alarm status
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Status check failed (insta...
Status check failed (syst...
Status check failed (atta...
Network in (bytes)
Network out (bytes)
Network packets in (count)
Network packets out (co...
Disk reads (bytes)
Disk read operations (op...
Disk writes (bytes)
CloudShell
Feedback
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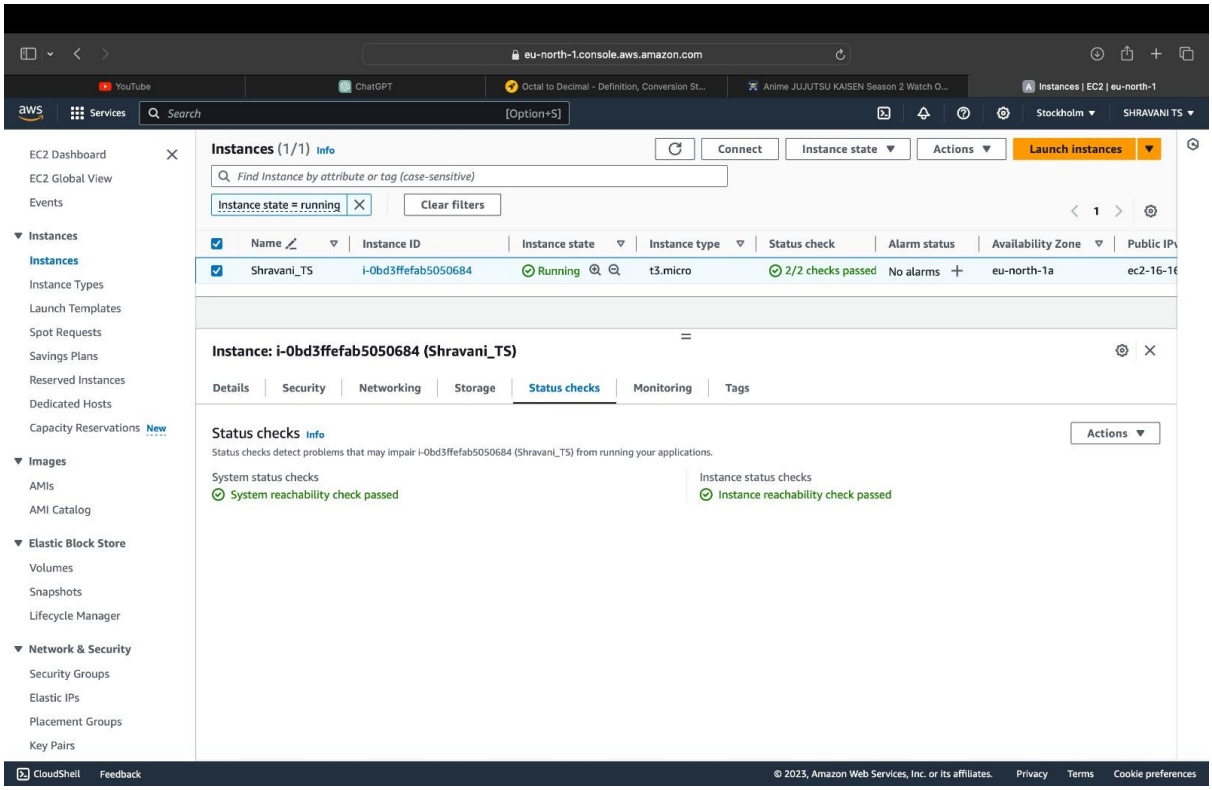
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Storage
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Monitoring
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Status checks Info
Actions
Status checks detect problems that may impair i-0bd3ffefab5050684 (Shravani_TS) from running your applications.
System status checks
System reachability check passed
Instance status checks
Instance reachability check passed
CloudShell
Feedback
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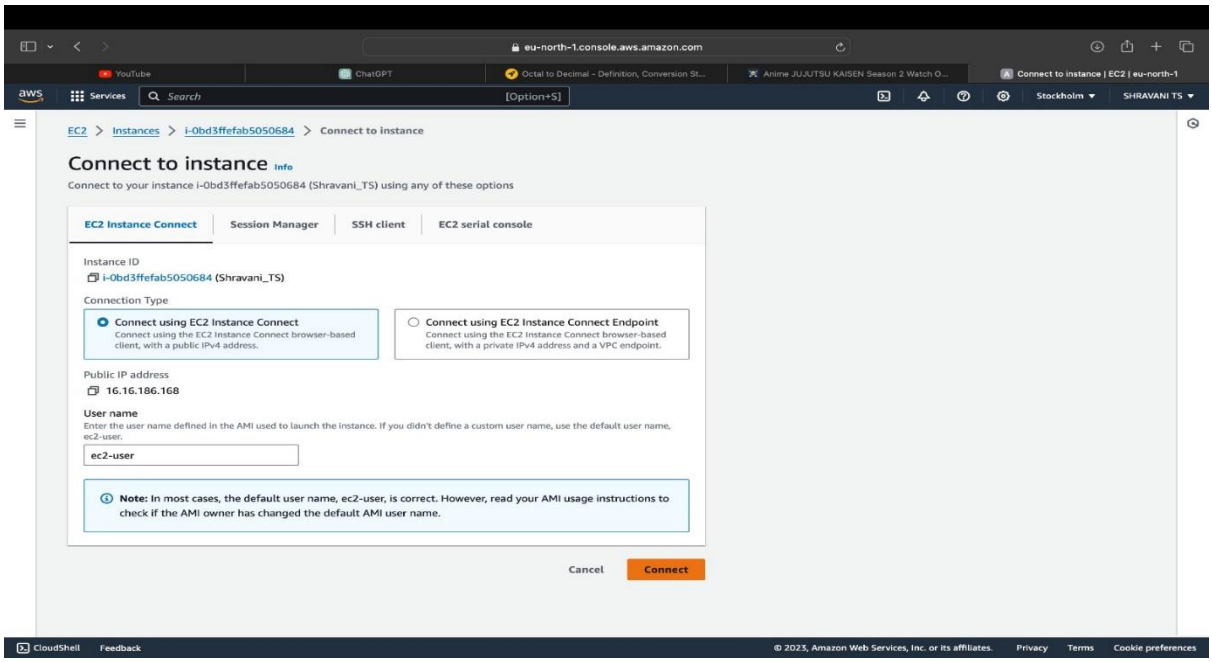
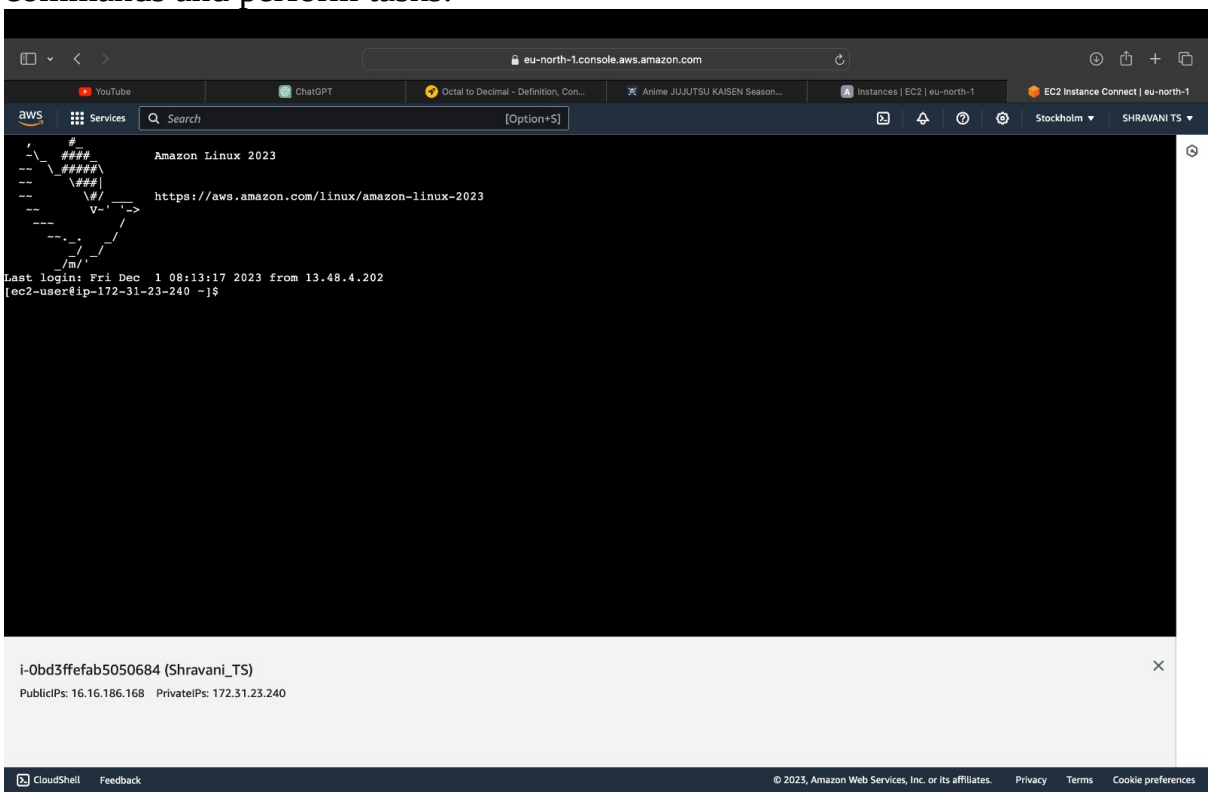
Connecting to the Instance:

We can connect to the instance we created by selecting connect using EC2 Instance Connect.

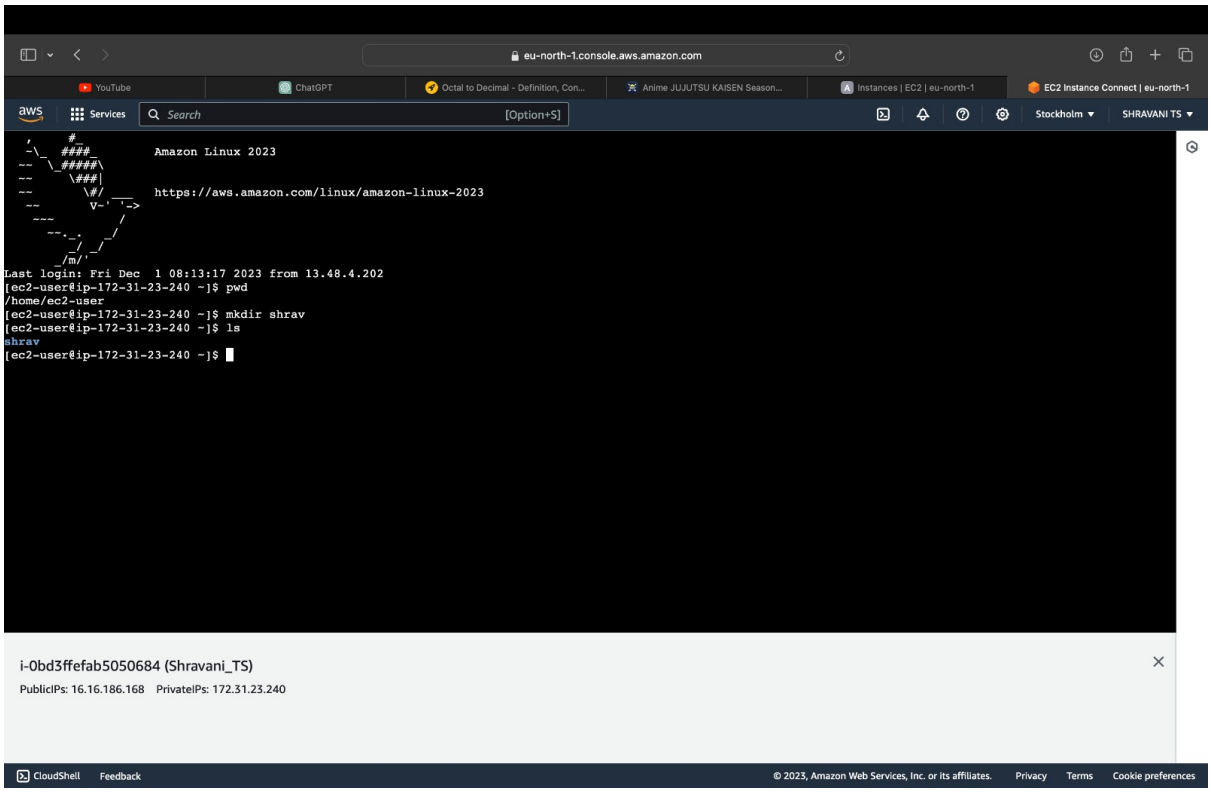


The Terminal:

After connecting to the instance, the terminal opens where we can now run our commands and perform tasks.



Running commands on the terminal:



- pwd:

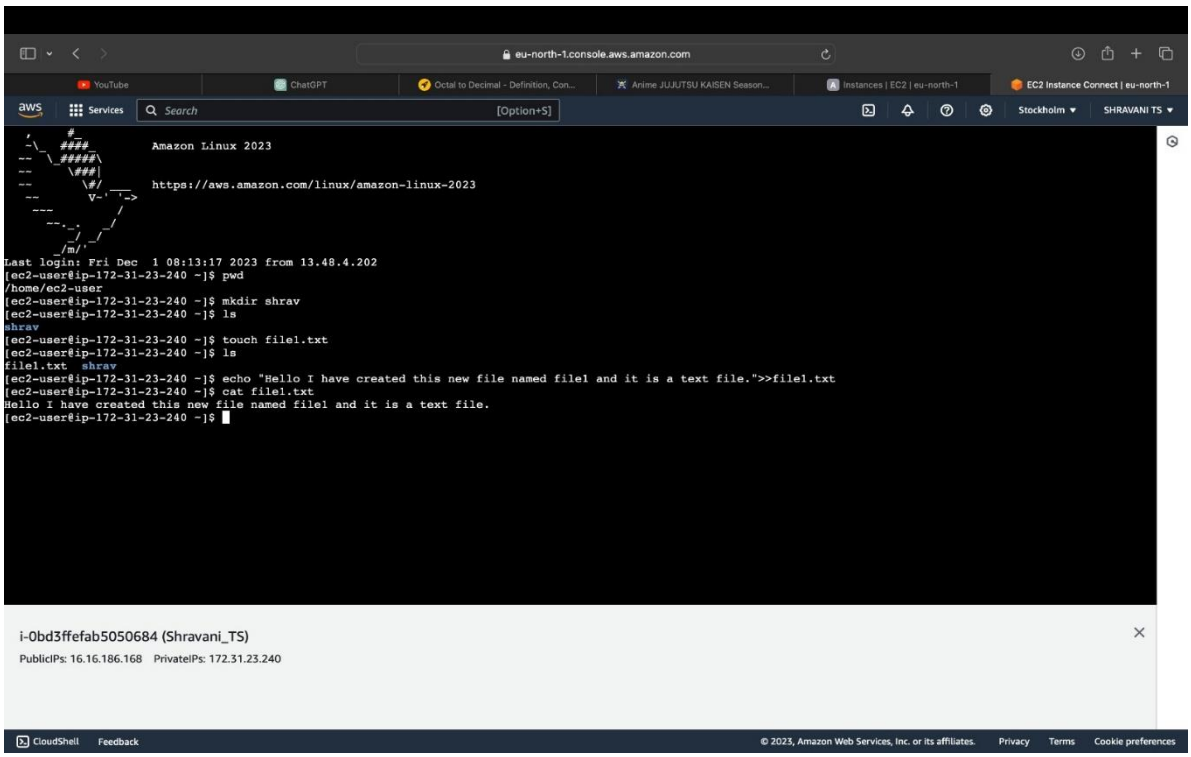
  pwd is used to present working directory, this gave the output /home/ec2-user

- mkdir:

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

- ls:

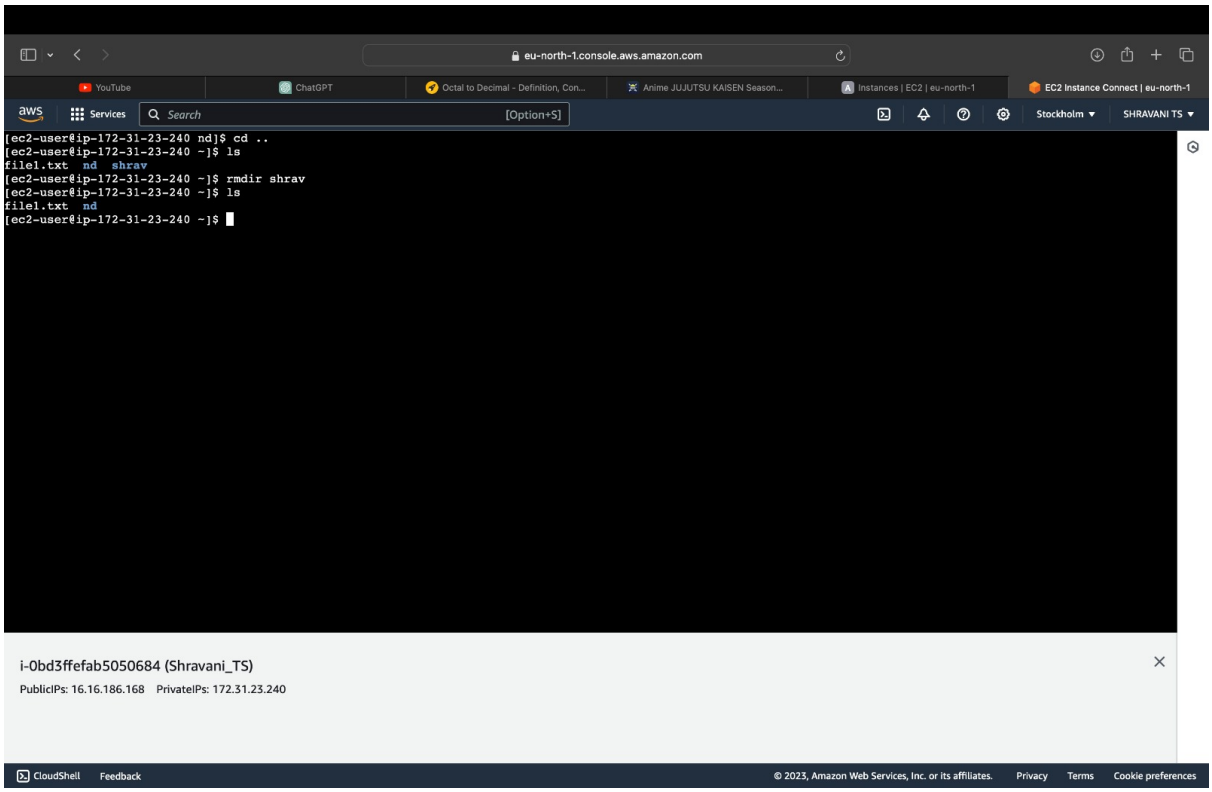
  The ls command (**ls**t) prints a list of the current directory's contents. Therefore we got the directory created display as output.



- 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 file1.
  - 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 file1.txt.

- echo:
  - The echo command to print arguments to the terminal.
  - Here I have used echo “hello I have created this file name file1 and it is a text file.”.
  - The >> operator redirects output to a file.

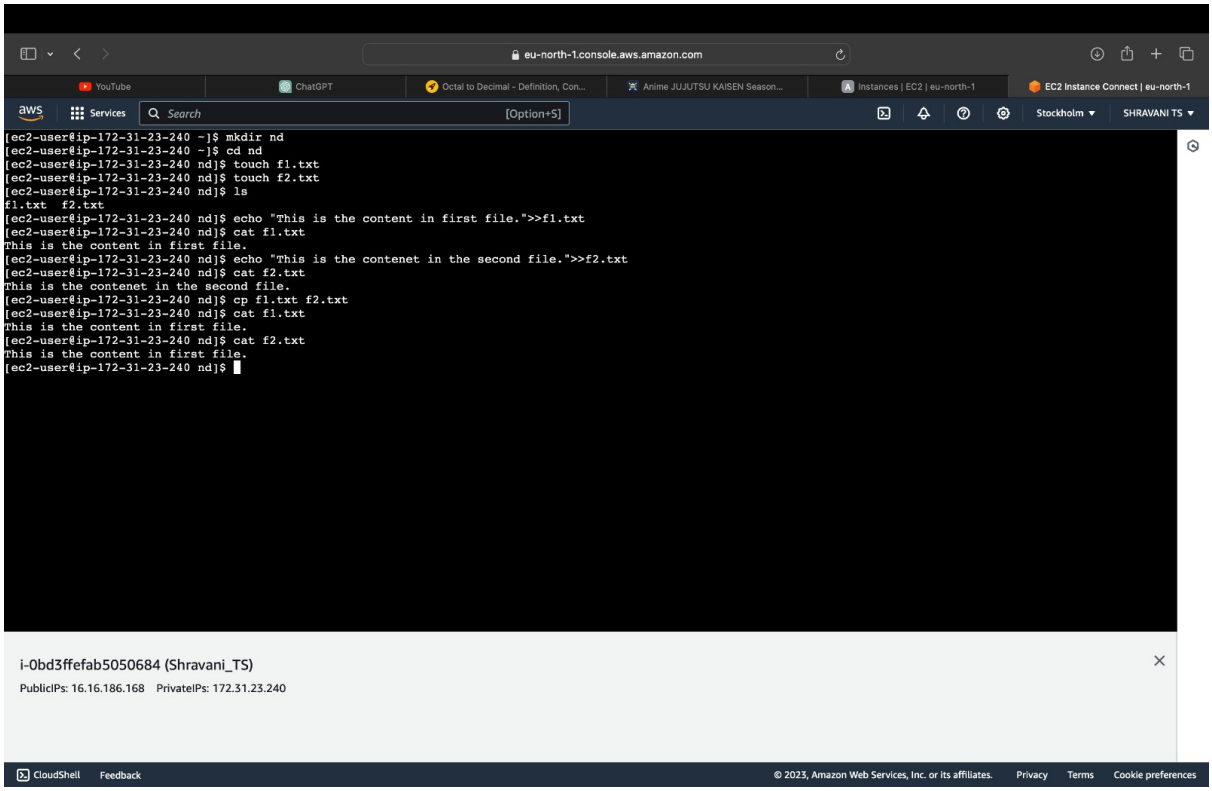


- cd :
  - The cd command is used to change to a directory.
  - Syntax:

    cd <directory_name>
  - The ls command can then be used to get the names of the files and other directories in the current directory.

- rmdir :
  - The rmdir command is used to remove/delete a directory from the file system.
  - Syntax:

    rmdir <directory_name>
  - After deleting the directory we can use the ls command to check.



- cp:
  - The main way to copy files and directories in Linux is through the cp (**co**p**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 f1.txt into f2.txt using cp [cp f1.txt f2.txt]
  - Then when we use cat on file.txt it shows “hello this is the content in first file” so content is successfully copied.
  - Now we make use of echo and >> to add a new line in f2.txt i.e “hello this is the content in second file”.