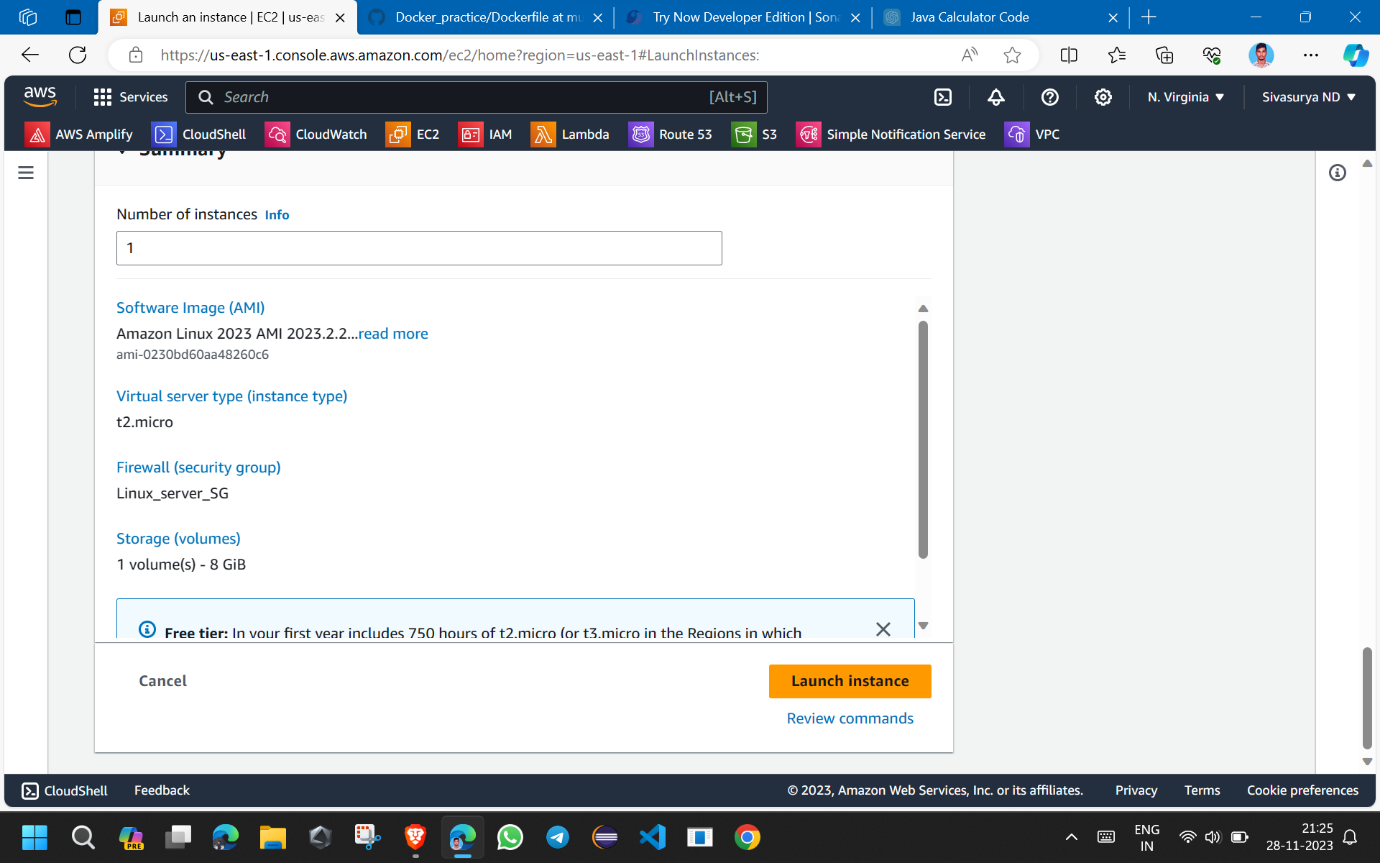
**Docker-Task**

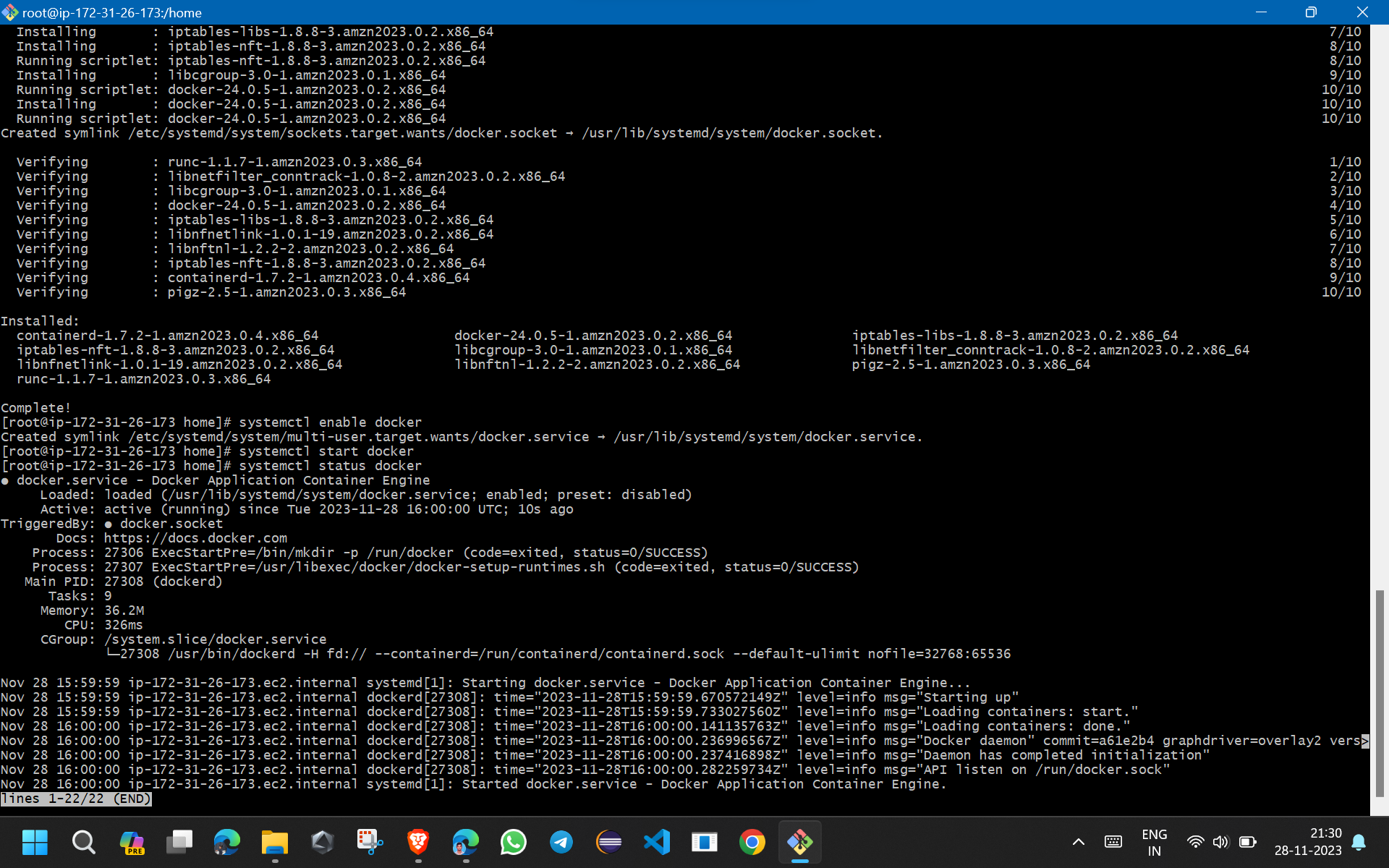
1. **Creating instance:**

* Creating one instance with amazon linux operating system, 1gb of RAM with 8gb volume.

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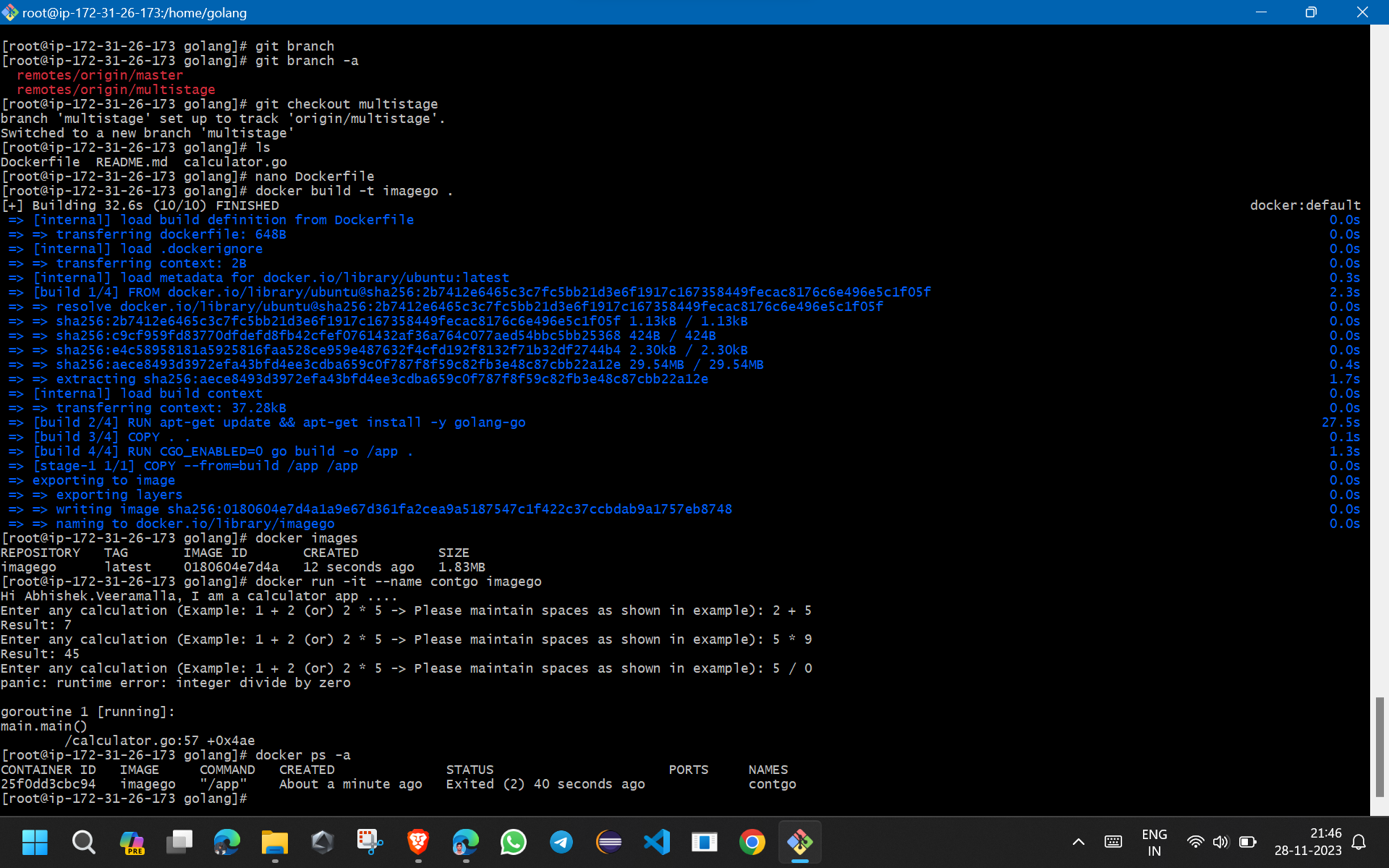
1. **Installing Docker:**

* Installing Git on the Instance by using command >>sudo yum install git –y
* Installing Docker and start that using commands
* sudo yum install docker –y
* systemctl enable docker
* systemctl start docker
* systemctl status docker

****

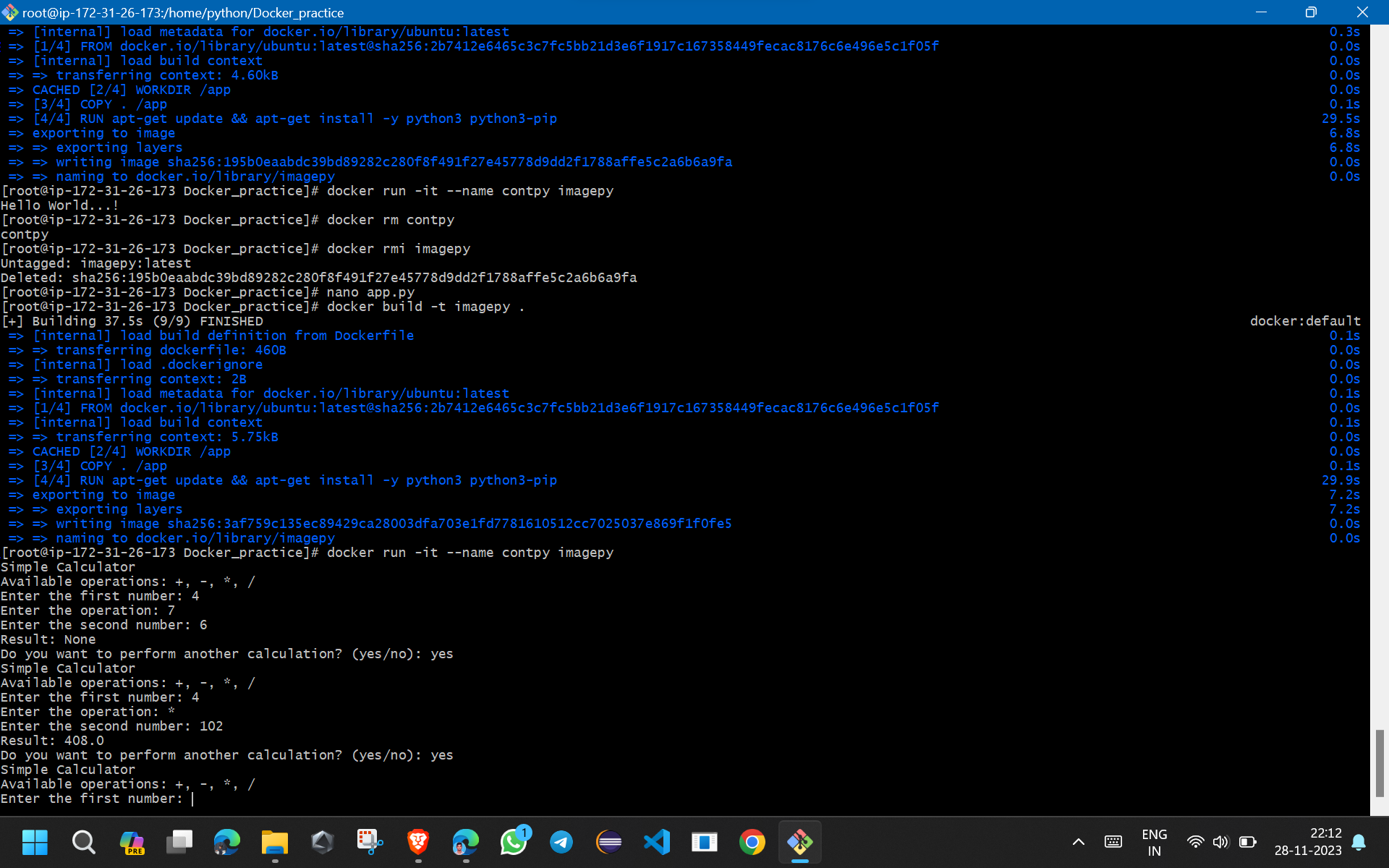
1. **Docker container for Go\_lang\_app:**

* Go language based calculator application.
* First I get the docker file from the git repository for application based on Go language which is shared to me.
* Then use that docker file I created image by cmd > docker build –t image-name
* After creation of image use that image I created container for run my application by using command > docker run –it --name cont-name image-name/id
* After creation of container my Go language based application running successfully on container which is based on Ubuntu operating system.



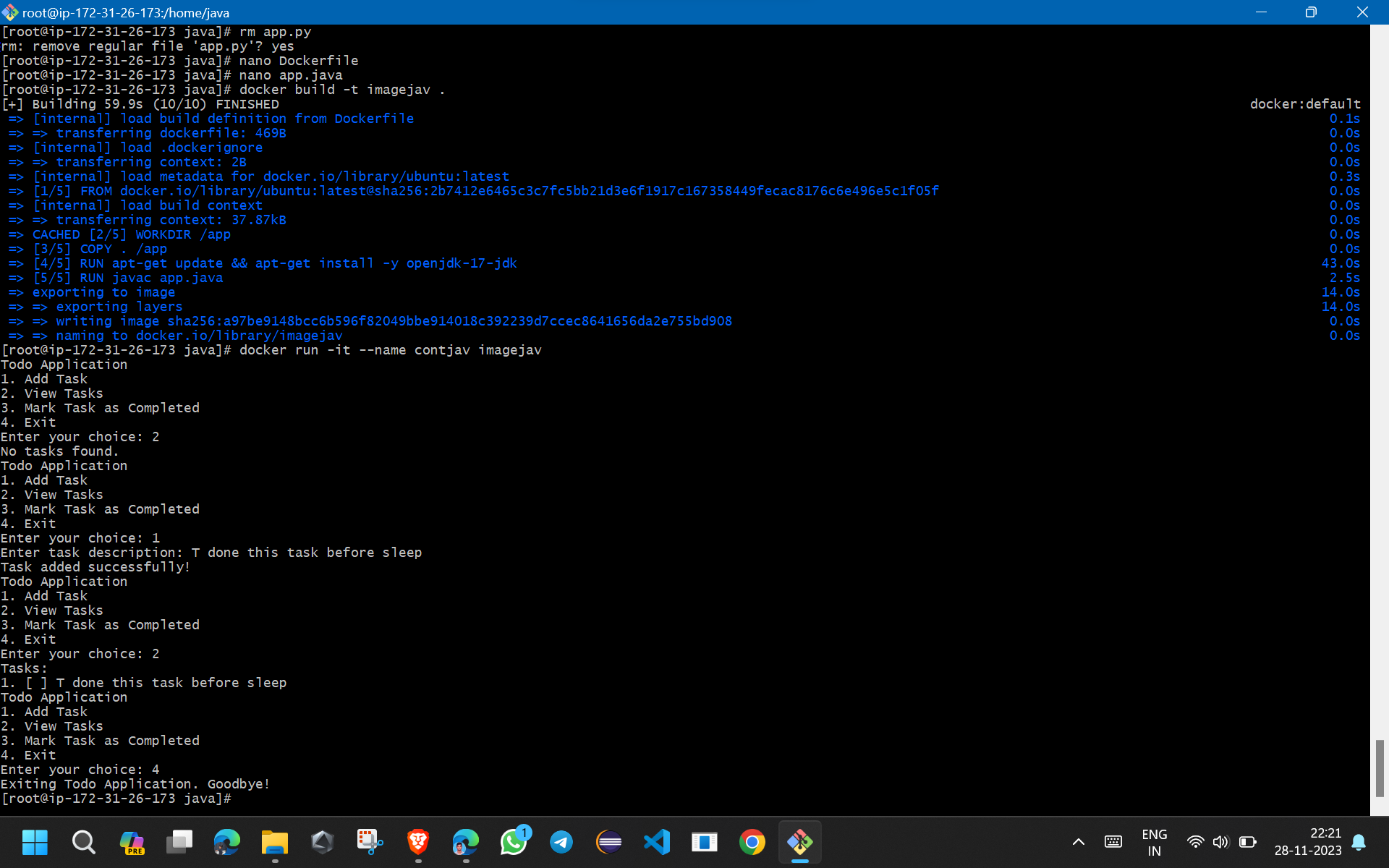
1. **Docker container for Python\_lang\_app:**

* Python based calculator application.
* First I get the docker file from the git repository for application based on Python language which is shared to me.
* Then use that docker file I created image by cmd > docker build –t image-name
* After creation of image use that image I created container for run my application by using command > docker run –it --name cont-name image-name/id
* After creation of container my Python language based application running successfully on container which is based on Ubuntu operating system.

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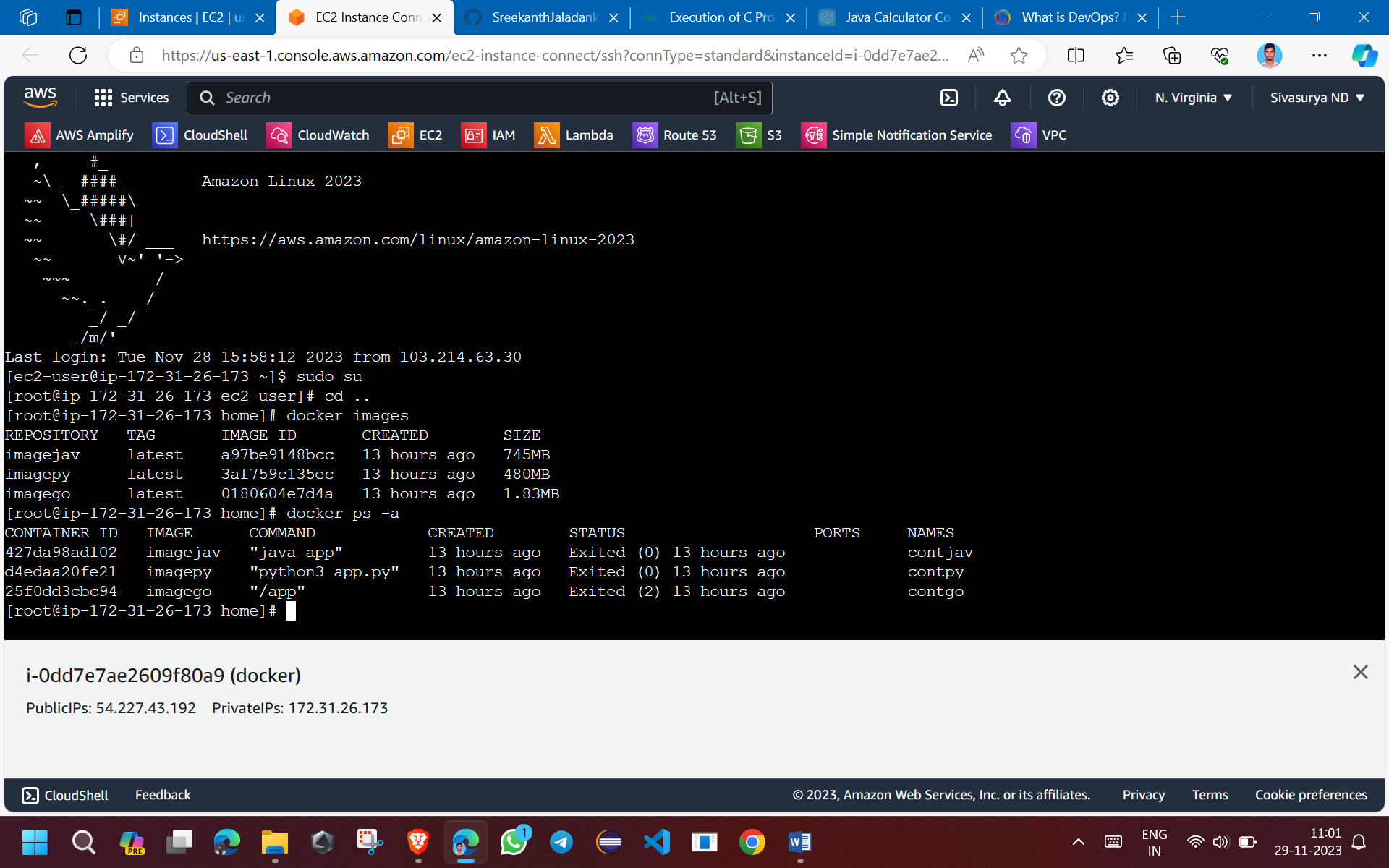
**5. Docker container for Java\_lang\_app:**

* Java based todo application for deploy in container.
* First I get the docker file from the git repository for application based on Java language which is shared to me.
* Then use that docker file I created image by cmd > docker build –t image-name
* After creation of image use that image I created container for run my application by using command > docker run –it --name cont-name image-name/id
* After creation of container my Java language based application running successfully on container which is based on Ubuntu operating system.

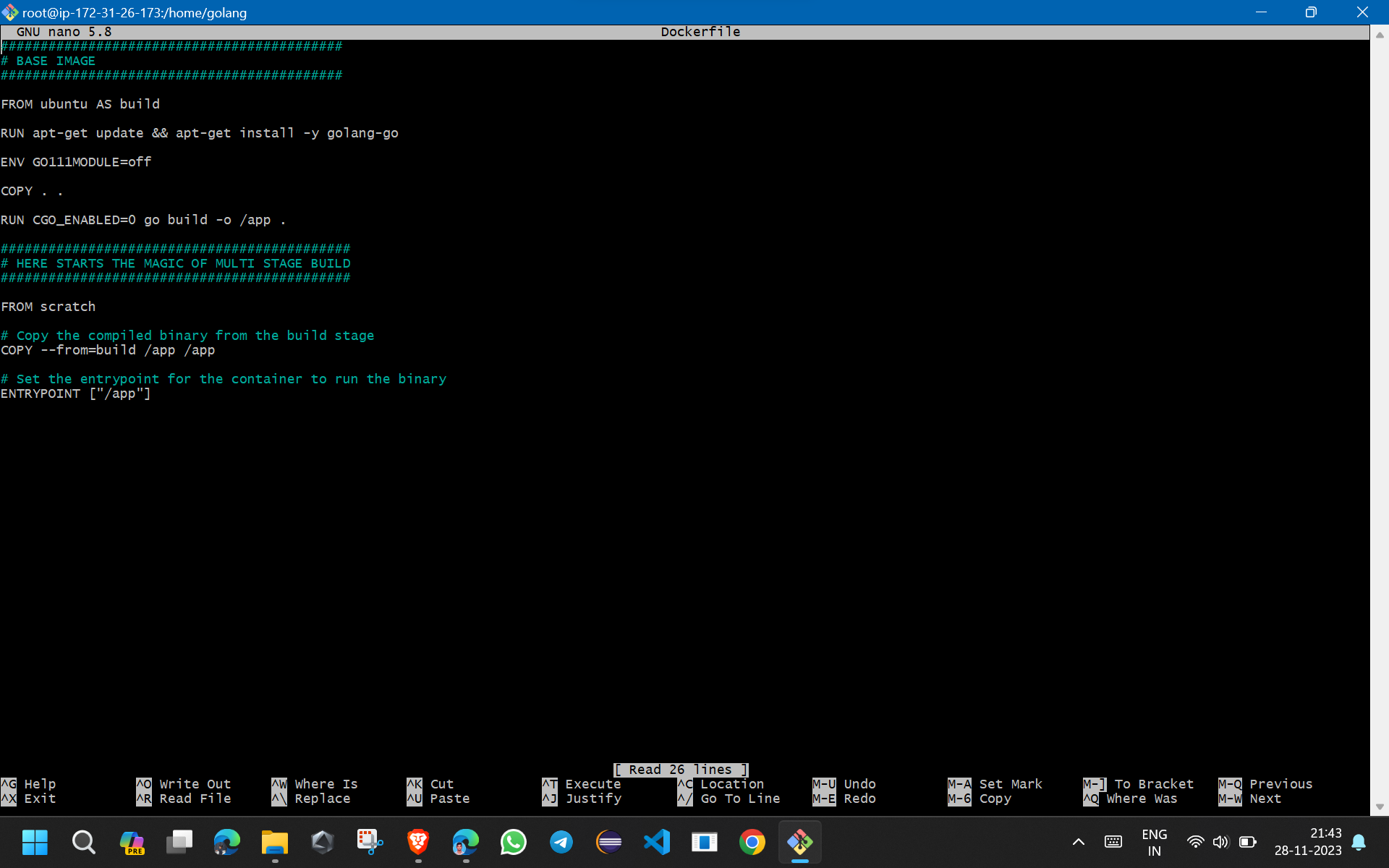
****

**6. List of containers:**

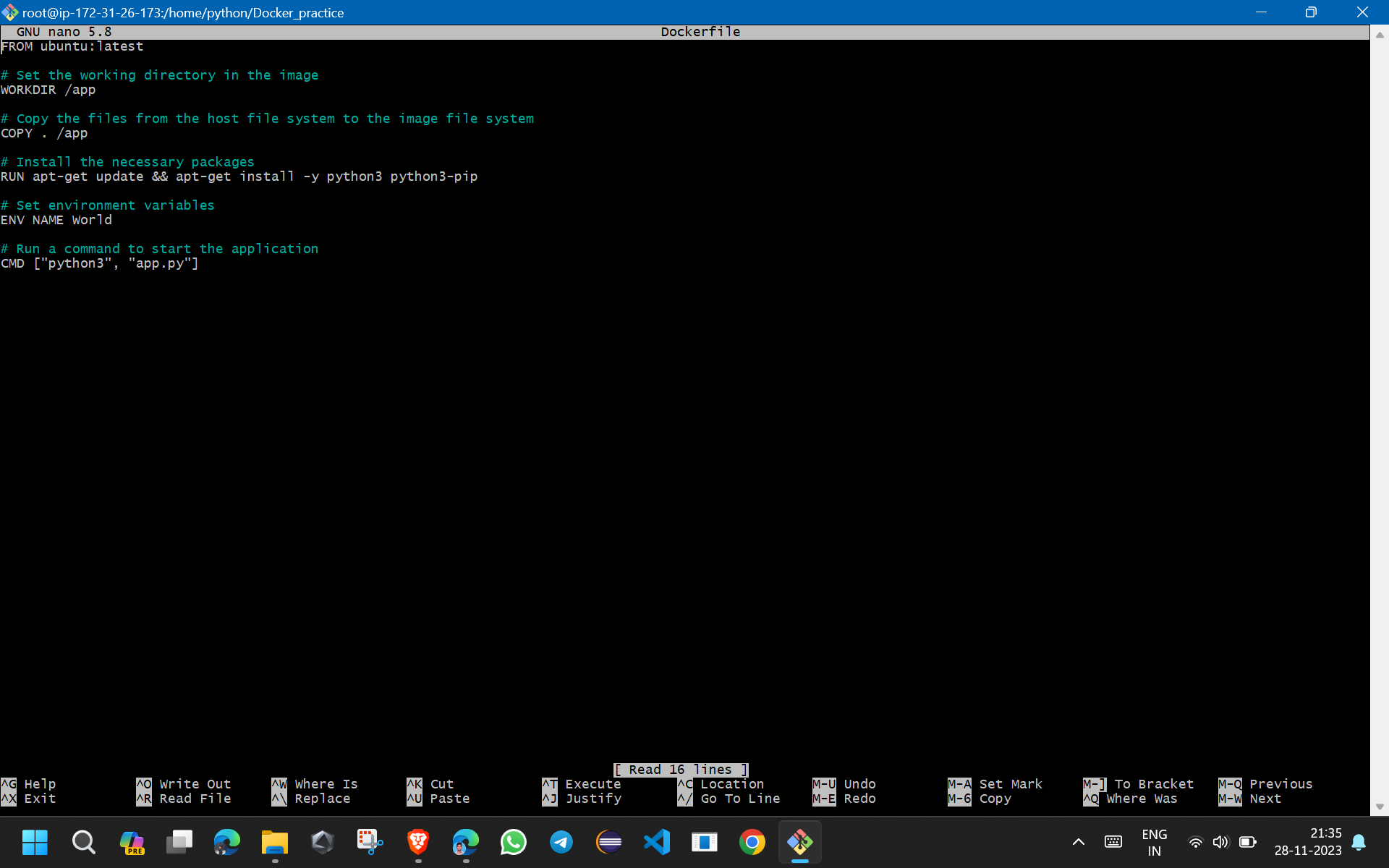
* In this one virtual machine (instance) I deployed three application which are based different programming languages in three different containers.
* In docker we can deploy multiple features of an application isolatedly.
* Below are the list of images and containers I created in this instance.

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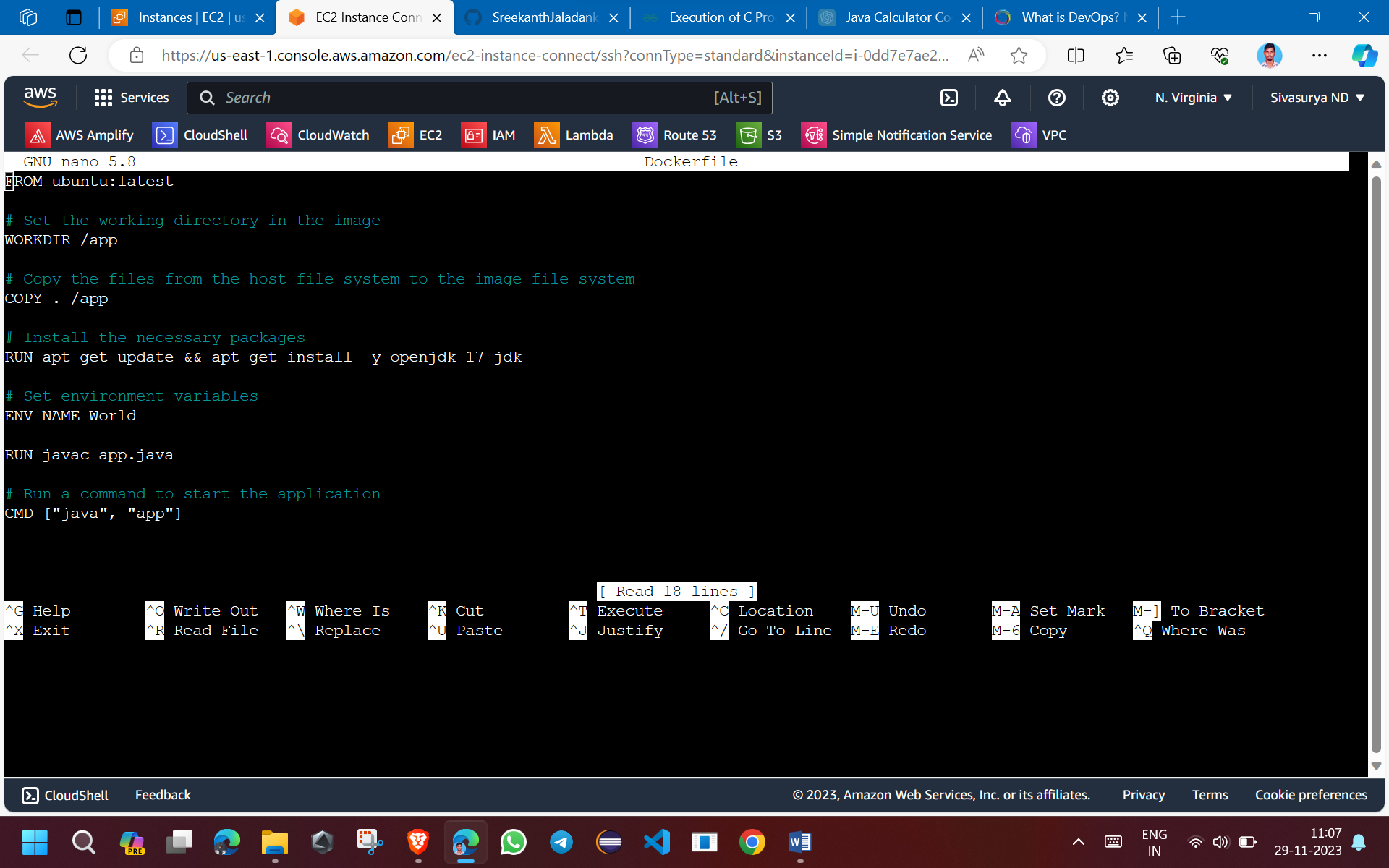
**7.Go\_lang docker file:**

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**8.Python\_lang docker file:**

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**9. Java\_lang docker file:**

****

**10. Docker:**

* Docker is a containeraization tool to create containers on virtual machines to run our applications isolatedly.