1. **Checking terraform version**

   $ Terraform –version

2. **Resource for main.tf**

```
resource "aws_instance" "web" {

   instance_type = "t2.micro"

   key_name = "terraform"

   ami="ami-053b0d53c279acc90"

}
```

3. **Resource for provider.tf**

```
provider "aws" {

   region = "us-east-1"

   access_key = "AKIA52YTJVITXICODEU5"

   secret_key = "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"

}
```

4. **Commands for creating EC2 instance**

   Terraform init

   Terraform plan

   Terraform apply.

5. **Commands to Install Java in our EC2 instance.**

   # sudo apt update

   # sudo apt install openjdk-11-jre

   # java -version

6. **Commands to Install Jenkins in our EC2 instance.**

   # curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \

   /usr/share/keyrings/jenkins-keyring.asc > /dev/null

   # echo deb [signed-by=/usr/share/keyrings/jenkin s-keyring.asc] \

   https://pkg.jenkins.io/debian-stable binary/ | sudo tee \

   /etc/apt/sources.list.d/jenkins.list > /dev/null

   # sudo apt-get update

   # sudo apt-get install Jenkins

7. **Commands to Install in our EC2 instance.**

   # sudo apt-install get python3.6

   To check the python is installed or not

   # python3 –version.