1 sudo apt update  
 2 sudo nano kabi.sh  
 3 bash kabi.sh  
 4 sudo terraform --version  
 5 mkdir Terra  
 6 cd Terra  
 7 sudo nano provider.tf  
 8 terraform init  
 9 ls -al  
 10 cd .terraform  
 11 ls -al  
 12 cd providers  
 13 ls -al  
 14 cd registry.terraform.io  
 15 cls  
 16 ls  
 17 cd hashicorp  
 18 ls  
 19 cd aws  
 20 ls  
 21 cd   
 22 cd Terra  
 23 terraform validate  
 24 terraform fmt  
 25 sudo terraform fmt  
 26 terraform plan  
 27 terraform apply  
 28 terraform show  
 29 terraform **import** aws\_instance.Terraform i-08e5256b7b4c530fa  
 30 sudo nano main.tf  
 31 cd   
 32 ssh-keygen  
 33 cd .ssh  
 34 ls -al  
 35 sudo nano id\_rsa.pub  
 36 ls -al  
 37 cd .ssh  
 38 ls -al  
 39 sudo nano id\_rsa.pub  
 40 cd   
 41 cd Terra  
 42 ls  
 43 sudo rm main.tf  
 44 ls  
 45 sudo nano main.tf  
 46 sudo nano variables.tf  
 47 terraform init  
 48 terraform validate  
 49 terraform fmt  
 50 sudo terraform fmt  
 51 sudo nano main.tf  
 52 cd Terra  
 53 sudo nano main.tf  
 54 terraform validate  
 55 sudo nano main.tf  
 56 terraform validate  
 57 sudo nano main.tf  
 58 terraform validate  
 59 terraform fmt  
 60 sudo terraform fmt  
 61 terraform plan  
 62 terraform apply  
 63 sudo nano providers.tf  
 64 ls  
 65 sudo nano provider.tf  
 66 terraform apply  
 67 ls  
 68 sudo rm ..  
 69 sudo rm .  
 70 sudo rm \*  
 71 ls  
 72 ls -al  
 73 sudo nano main.tf  
 74 ls  
 75 sudo nano provider.tf  
 76 sudo nano main.tf  
 77 sudo nano variables.tf  
 78 transform validate  
 79 terraform validate  
 80 sudo terraform fmt  
 81 terraform plain  
 82 terraform plan  
 83 terraform apply  
 84 ls  
 85 cd   
 86 history

kabi.sh

wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o /usecho "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] httsudo apt update && sudo apt install terraform -cs) main" | sudo tee /etc/apt/sources.list.>

----------provider.tf-----------  
provider "aws" {  
region = "us-east-1"  
access\_key = "AKIAQW5DPDIEH5ZZNEEK"  
secret\_key = "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"  
}

-----------main.tf----------  
resource "aws\_instance" "jenkinsserver" {  
 ami = var.demovar  
 instance\_type = var.demovar1  
 key\_name = "jenkinsKey"  
 tags = {  
 Name = "jenkinsServerDemo"  
 }  
 user\_data = <<-EOF  
 #!/bin/bash  
 sudo apt update  
 sudo apt install openjdk-11-jdk  
 sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \  
 https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key  
echo deb [signed-by=/usr/share/keyrings/jenkins-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  
EOF  
}  
  
resource "aws\_security\_group" "jenkinsgroup" {  
 ingress {  
 cidr\_blocks = ["0.0.0.0/0"]  
 description = " opening ssh port "  
 from\_port = 22  
 to\_port = 22  
 protocol = "tcp"  
 }  
 ingress {  
 cidr\_blocks = ["0.0.0.0/0"]  
 description = " opening ssh port "  
 from\_port = 80  
 to\_port = 80  
 protocol = "tcp"   
 }  
 ingress {  
 cidr\_blocks = ["0.0.0.0/0"]  
 description = " opening ssh port "  
 from\_port = 443  
 to\_port = 443  
 protocol = "tcp"   
 }  
 ingress {  
 cidr\_blocks = ["0.0.0.0/0"]  
 description = " opening jenkins port "  
 from\_port = 8080  
 to\_port = 8080  
 protocol = "tcp"   
 }  
}  
resource "aws\_key\_pair" "jenkinsKey" {  
 key\_name = "jenkinsKey"  
 public\_key = "ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDb5vaRxOxf4Oux31FHFhLZ7VikT3woRy/ZAPPR6dznuzefZdrG8j30F+cTd0f/g9shjla4mPmmfRa0pKzmizAR7pGgfTfQb5BAAmYDsH6cedRPmMymV0aFwh5O7EUWL>"  
}

---------variables.tf------------  
variable "demovar" {  
 default = "ami-07d9b9ddc6cd8dd30"  
}  
variable "demovar1" {  
 default = "t2.micro"  
}