Tasks To Be Performed:

1. Destroy the previous deployments

2. Create a script to install Apache2

3. Run this script on a newly created EC2 instance

4. Print the IP address of the instance in a file on the local once deployed

Procedure: -

terraform {  
 required\_providers {  
 aws = {  
 source = "hashicorp/aws"  
 version = "~> 5.0"  
 }  
 }  
}  
# Use a new provider for N.Virginia  
provider "aws" {  
 region = "us-east-1" # N.Virginia region  
 access\_key = "AKIAQW5DPDIEH5ZZNEEK"  
 secret\_key = "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"  
}  
# Create EC2 instance in N.Virginia  
resource "aws\_instance" "Assignment-5" {  
 ami = "ami-0f403e3180720dd7e" # Specify the desired AMI ID **for** N.Virginia  
 instance\_type = "t2.micro" # Specify the instance type   
 subnet\_id = "subnet-0e8fec508d60f161d"  
 # Enable public IP address  
 associate\_public\_ip\_address = true  
 tags = {  
 Name = "Assignment-5"  
 }  
 user\_data = <<-EOF  
 #!/bin/bash  
 sudo apt update  
 sudo apt install apache2 -y  
 EOF  
}  
  
output "public\_ip\_address" {  
 value = aws\_instance.Assignment-5.public\_ip  
}



