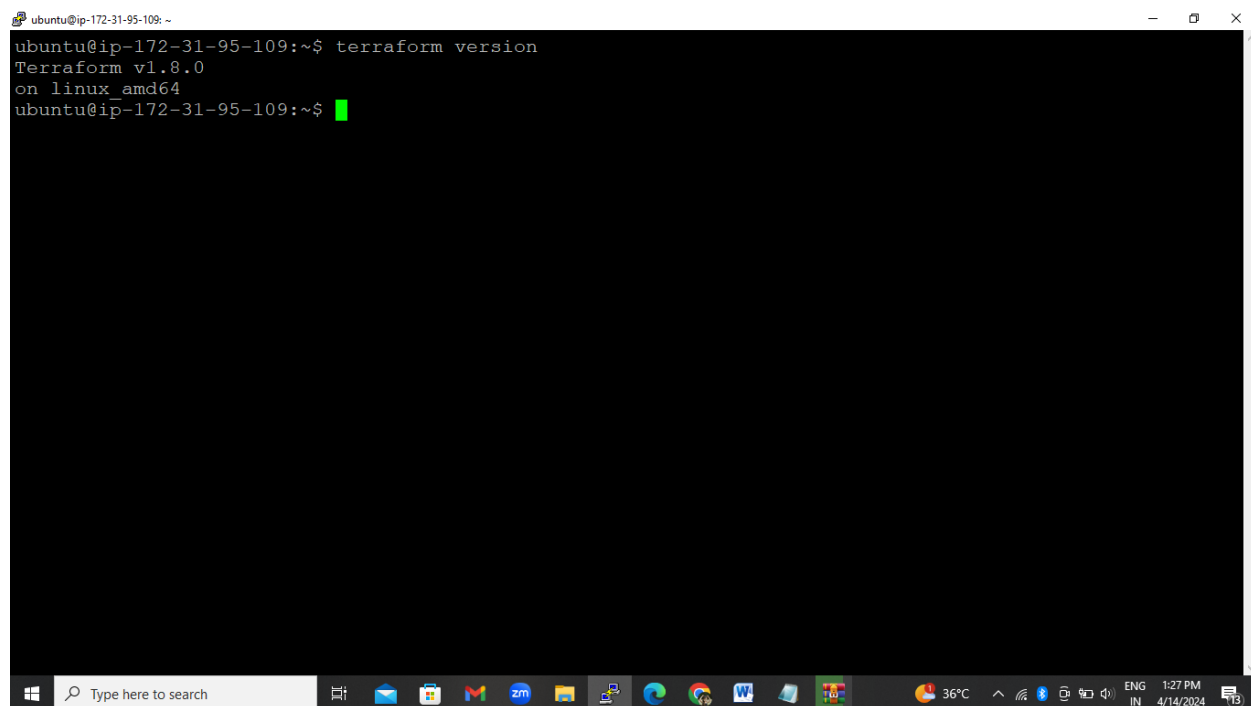


Terraform Assignment - 1

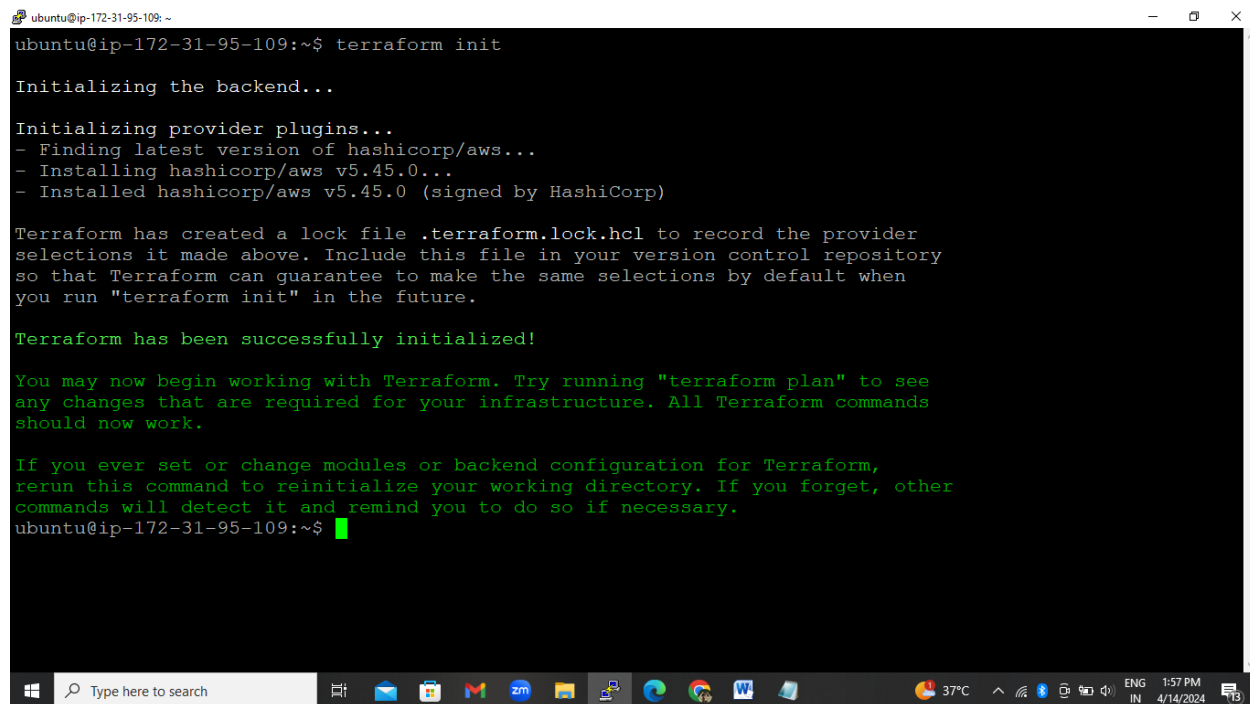
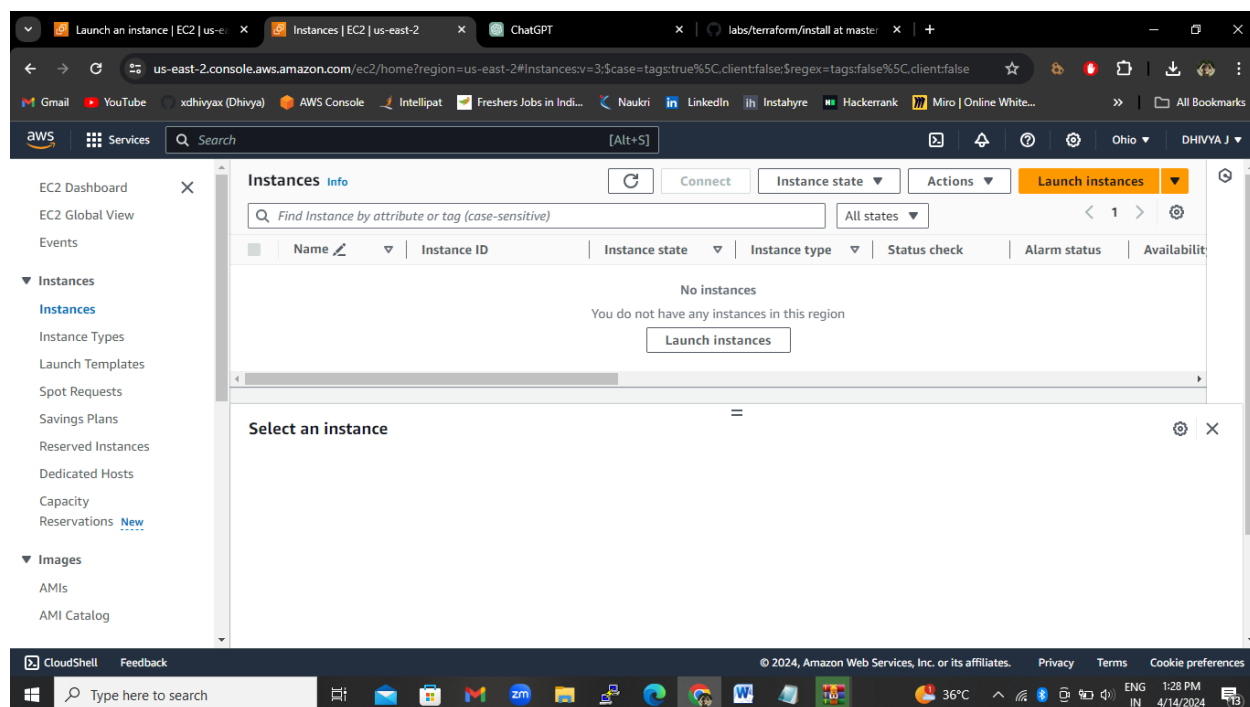
You have been asked to:

- Create an EC2 service in the default subnet in the ohio region
-



```
ubuntu@ip-172-31-95-109: ~  
ubuntu@ip-172-31-95-109:~$ terraform version  
Terraform v1.8.0  
on linux_amd64  
ubuntu@ip-172-31-95-109:~$
```

The screenshot shows a terminal window with a black background and white text. The prompt is 'ubuntu@ip-172-31-95-109: ~'. The user has entered the command 'terraform version', and the output is 'Terraform v1.8.0 on linux_amd64'. The prompt is now 'ubuntu@ip-172-31-95-109:~\$' with a green cursor. The terminal window is titled 'ubuntu@ip-172-31-95-109: ~'. Below the terminal window is a Windows taskbar with various icons and a search bar.



```
ubuntu@ip-172-31-95-109: ~$ terraform plan

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create

Terraform will perform the following actions:

# aws_instance.assignment will be created
+ resource "aws_instance" "assignment" {
  + ami                  = "ami-0b8b44ec9a8f90422"
  + arn                  = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone     = (known after apply)
  + cpu_core_count        = (known after apply)
  + cpu_threads_per_core   = (known after apply)
  + disable_api_stop      = (known after apply)
  + disable_api_termination = (known after apply)
  + ebs_optimized         = (known after apply)
  + get_password_data     = false
  + host_id               = (known after apply)
  + host_resource_group_arn = (known after apply)
  + iam_instance_profile   = (known after apply)
  + id                    = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle     = (known after apply)
  + instance_state         = (known after apply)
  + instance_type          = "t2.micro"
  + ipv6_address_count     = (known after apply)
  + ipv6_addresses        = (known after apply)
}
```

```
ubuntu@ip-172-31-95-109: ~$ terraform apply

Terraform used the selected providers to generate the following execution plan. Resource actions are indicated with the following symbols:
+ create

Terraform will perform the following actions:

# aws_instance.assignment will be created
+ resource "aws_instance" "assignment" {
  + ami                  = "ami-0b8b44ec9a8f90422"
  + arn                  = (known after apply)
  + associate_public_ip_address = (known after apply)
  + availability_zone     = (known after apply)
  + cpu_core_count        = (known after apply)
  + cpu_threads_per_core   = (known after apply)
  + disable_api_stop      = (known after apply)
  + disable_api_termination = (known after apply)
  + ebs_optimized         = (known after apply)
  + get_password_data     = false
  + host_id               = (known after apply)
  + host_resource_group_arn = (known after apply)
  + iam_instance_profile   = (known after apply)
  + id                    = (known after apply)
  + instance_initiated_shutdown_behavior = (known after apply)
  + instance_lifecycle     = (known after apply)
  + instance_state         = (known after apply)
  + instance_type          = "t2.micro"
  + ipv6_address_count     = (known after apply)
  + ipv6_addresses        = (known after apply)
}
```

us-east-2.console.aws.amazon.com/ec2/home?region=us-east-2#Instances:

Instances (1) Info

Find Instance by attribute or tag (case-sensitive) All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability
<input type="checkbox"/>	assignment	i-0907cb622ab9a61b2	Running	t2.micro	Initializing	View alarms +	us-east-2a

Select an instance

CloudShell Feedback

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```
ubuntu@ip-172-31-95-109: ~  
ubuntu@ip-172-31-95-109:~$ cat ec2.tf  
resource "aws_instance" "assignment" {  
  ami           = "ami-0b8b44ec9a8f90422"  
  instance_type = "t2.micro"  
  security_groups = [ "default" ]  
  
  tags = {  
    Name = "assignment"  
  }  
}  
ubuntu@ip-172-31-95-109:~$ cat provider.tf  
provider "aws" {  
  access_key = "AKIA5LMDQBKCCJJE4YA"  
  secret_key = "V08DsUKssqdm9QpVF9tZtUmvOawJZGEGZgLBVs2/"  
  region = "us-east-2"  
}  
ubuntu@ip-172-31-95-109:~$
```