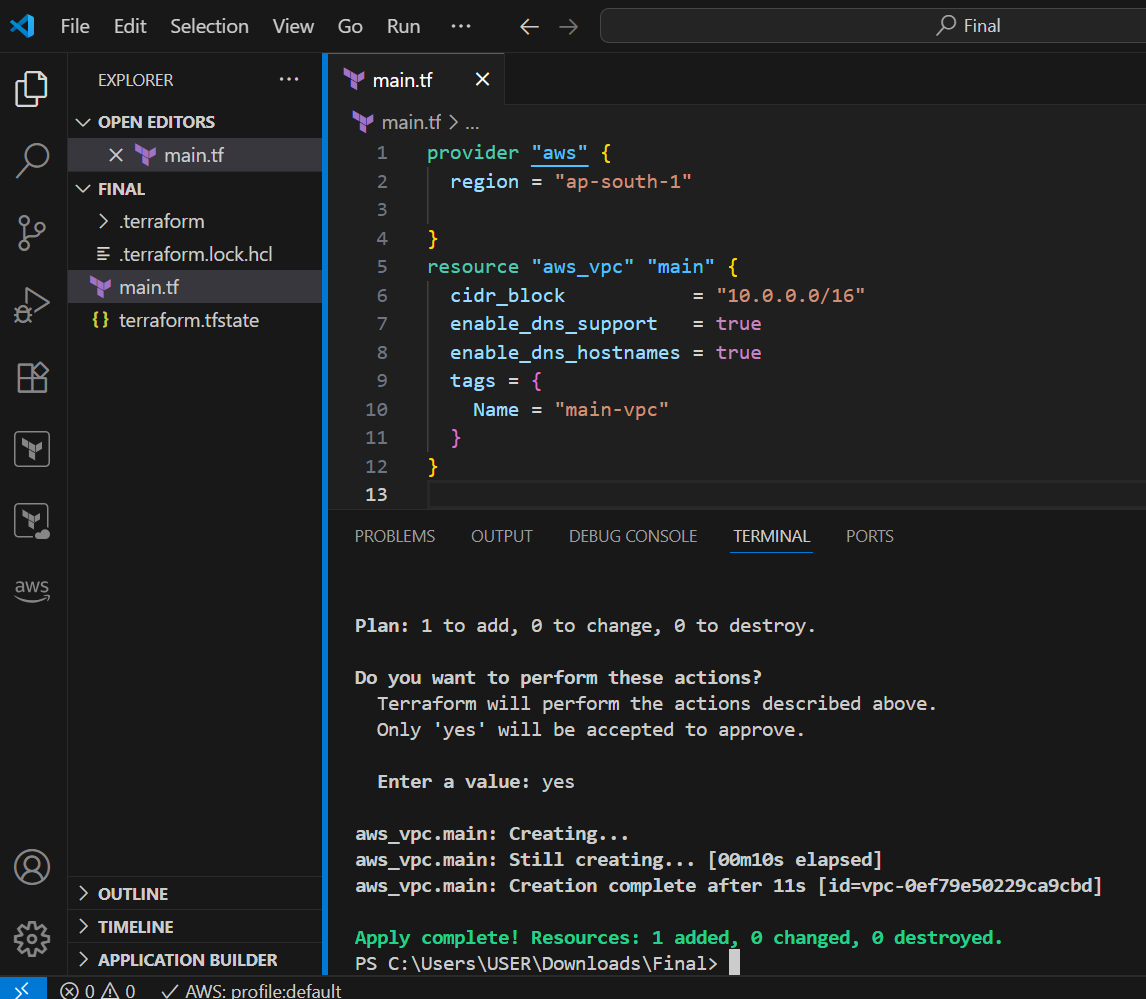
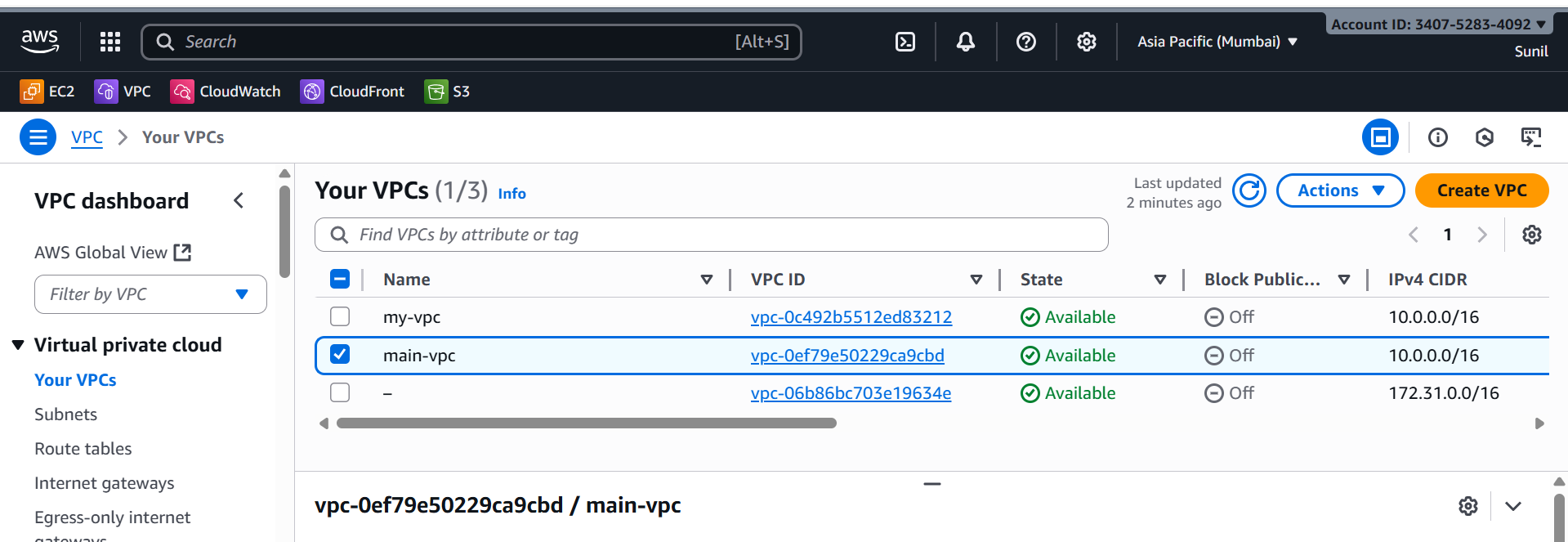
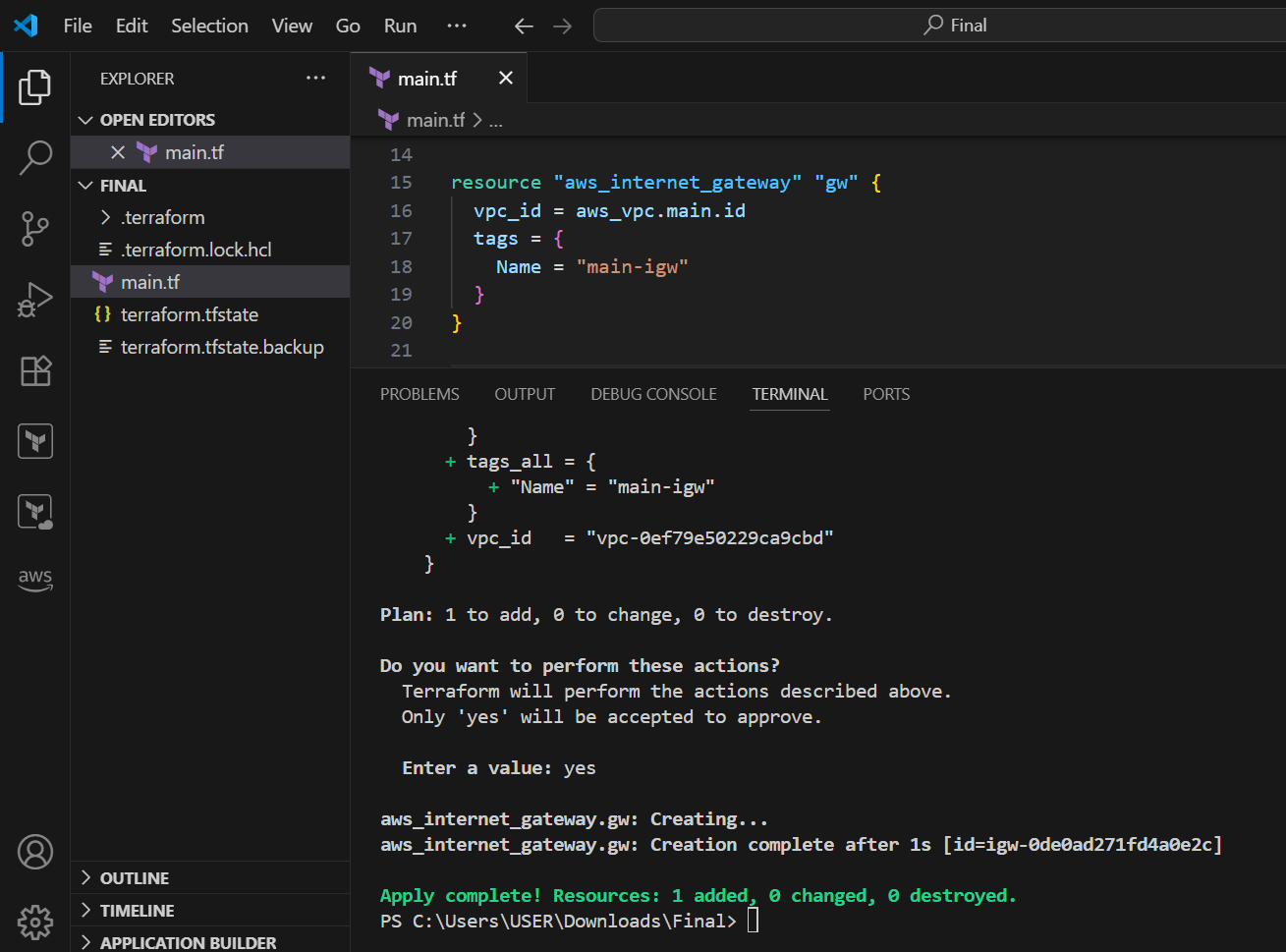
**Terraform Final Task.**

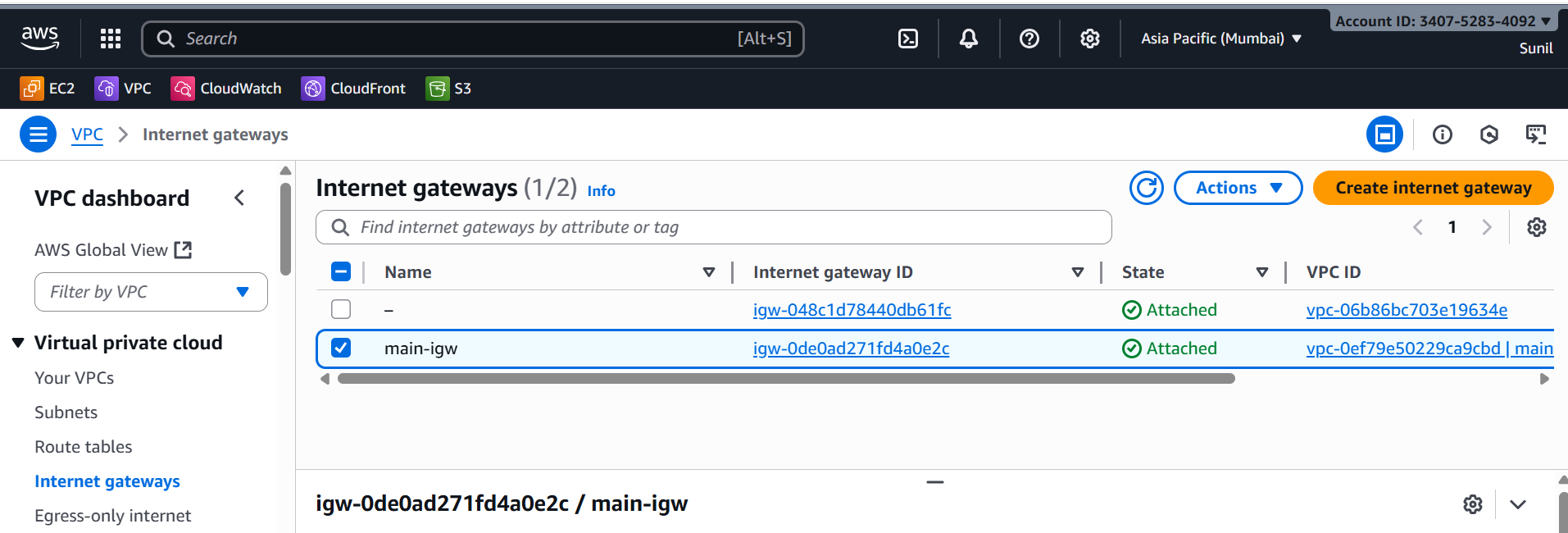
1.Create VPC



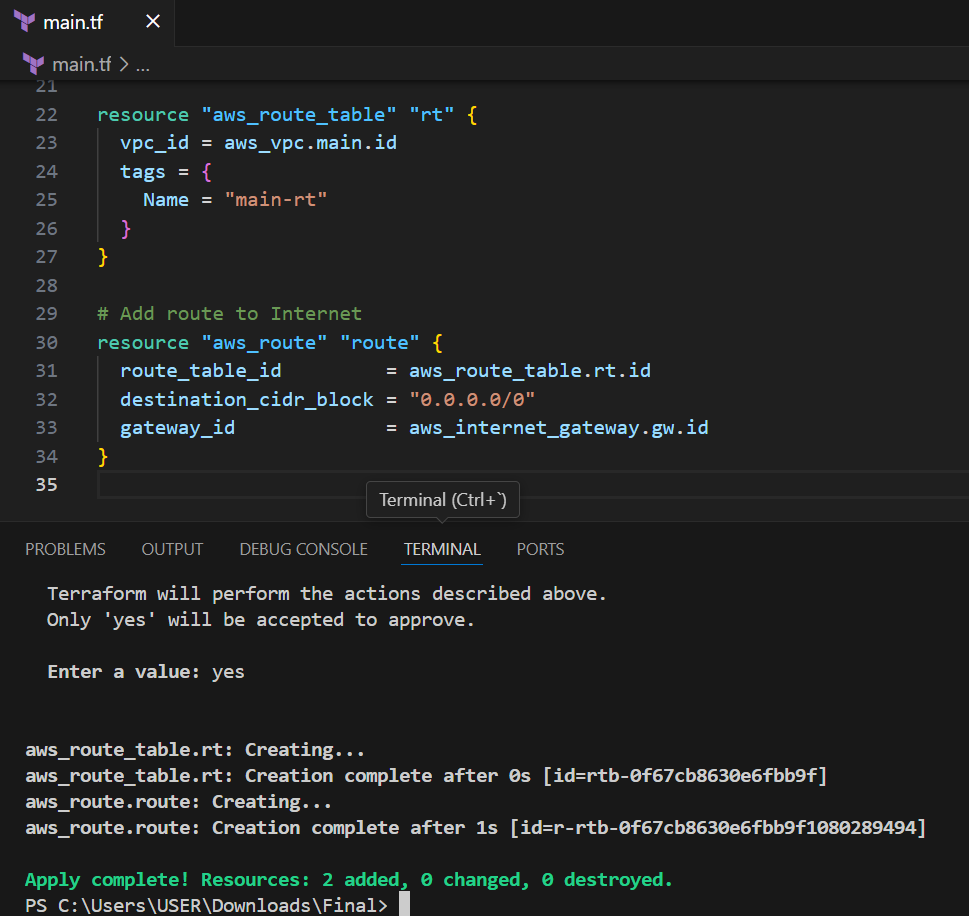


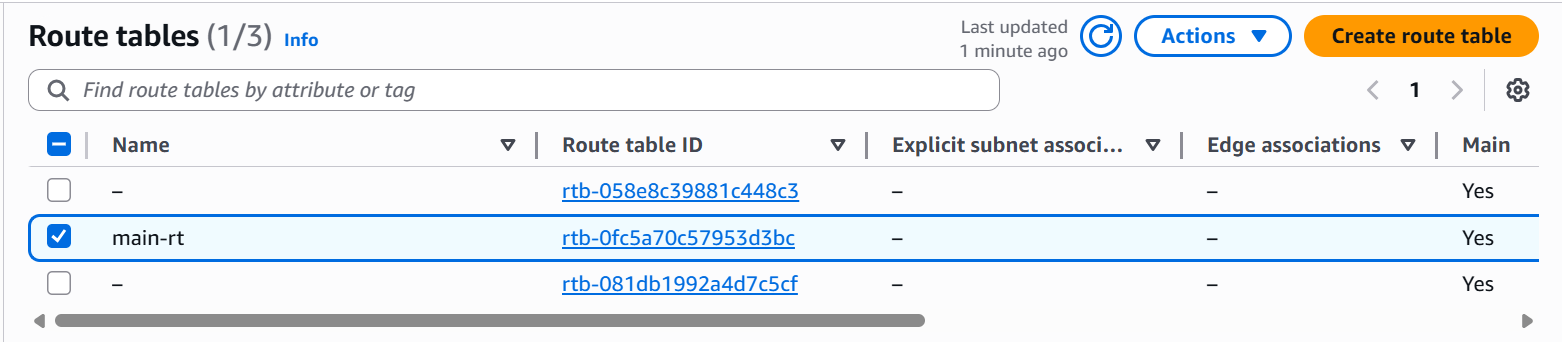
2.Create Internet gateway



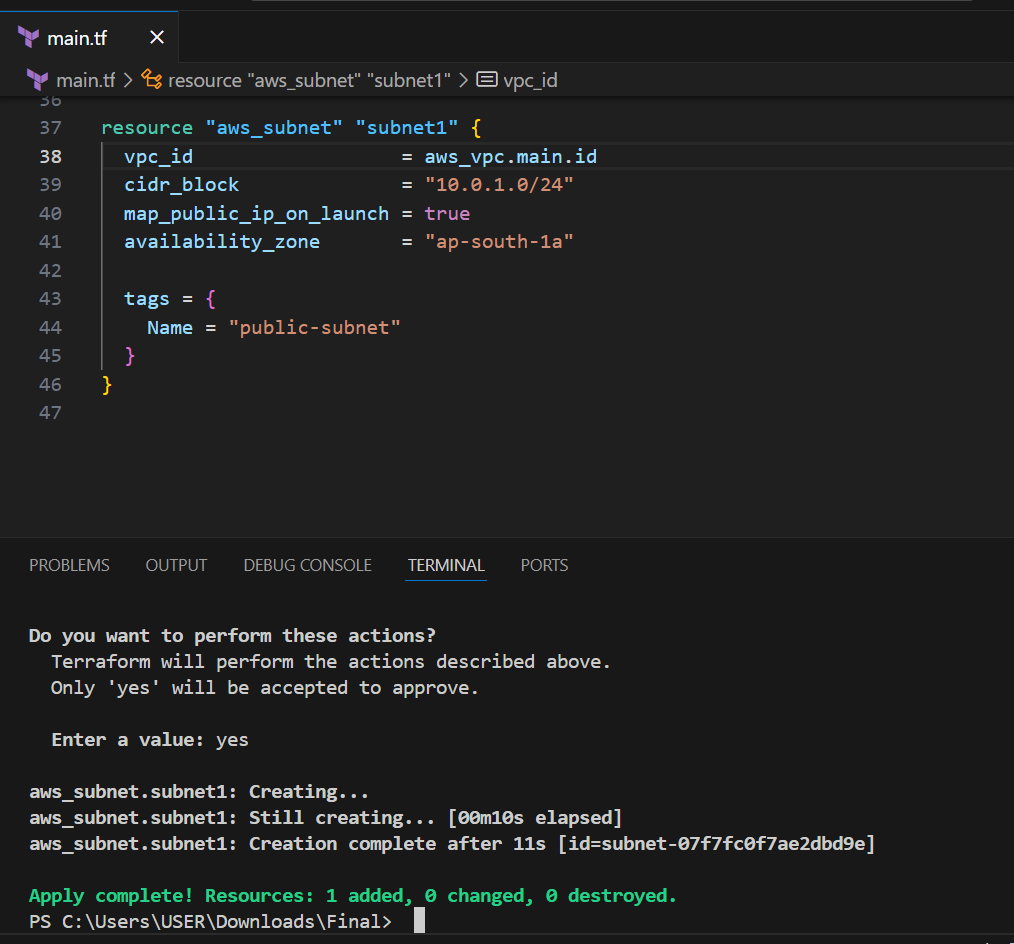


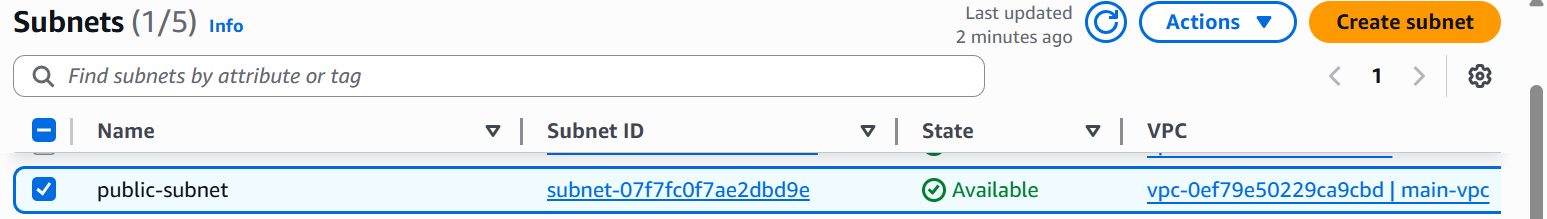
3.Create Custom Route Table



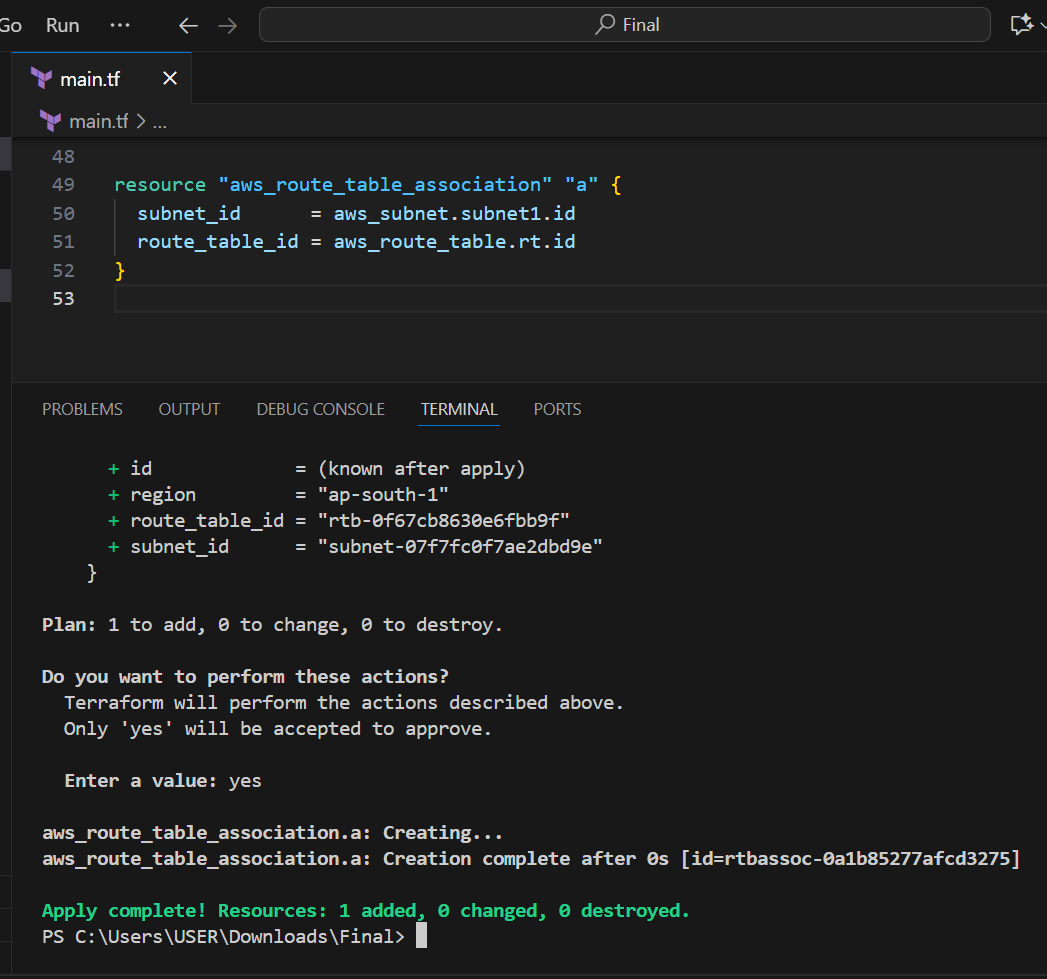


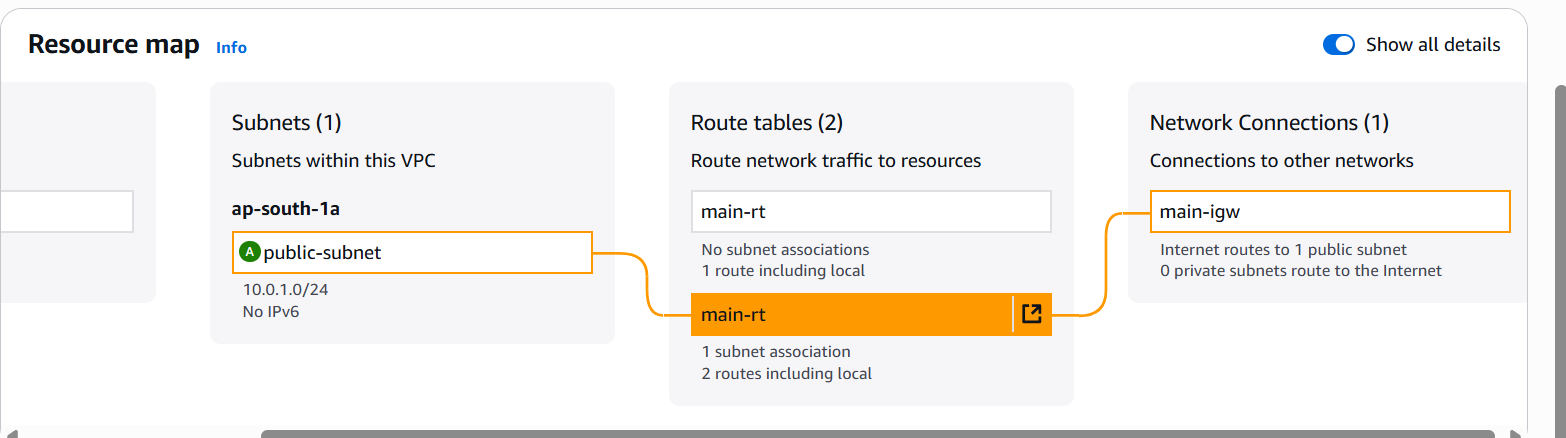
4.Create Subnet



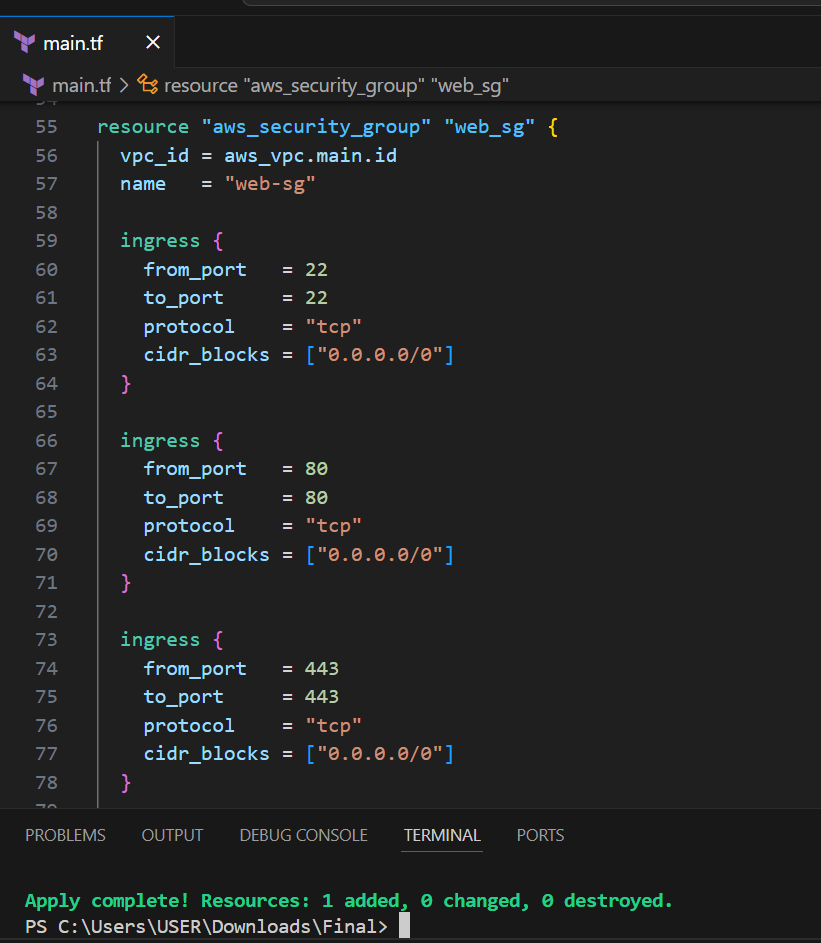


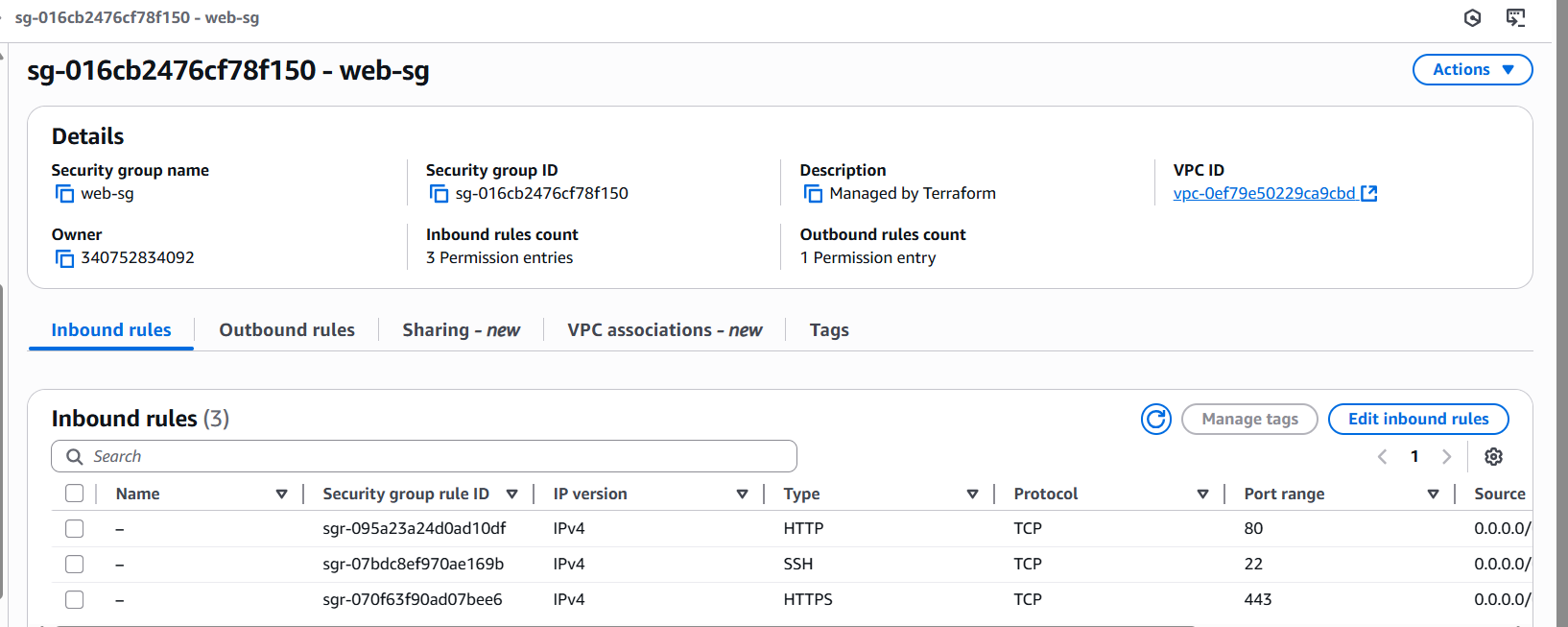
5.Associate subnet with Route Table



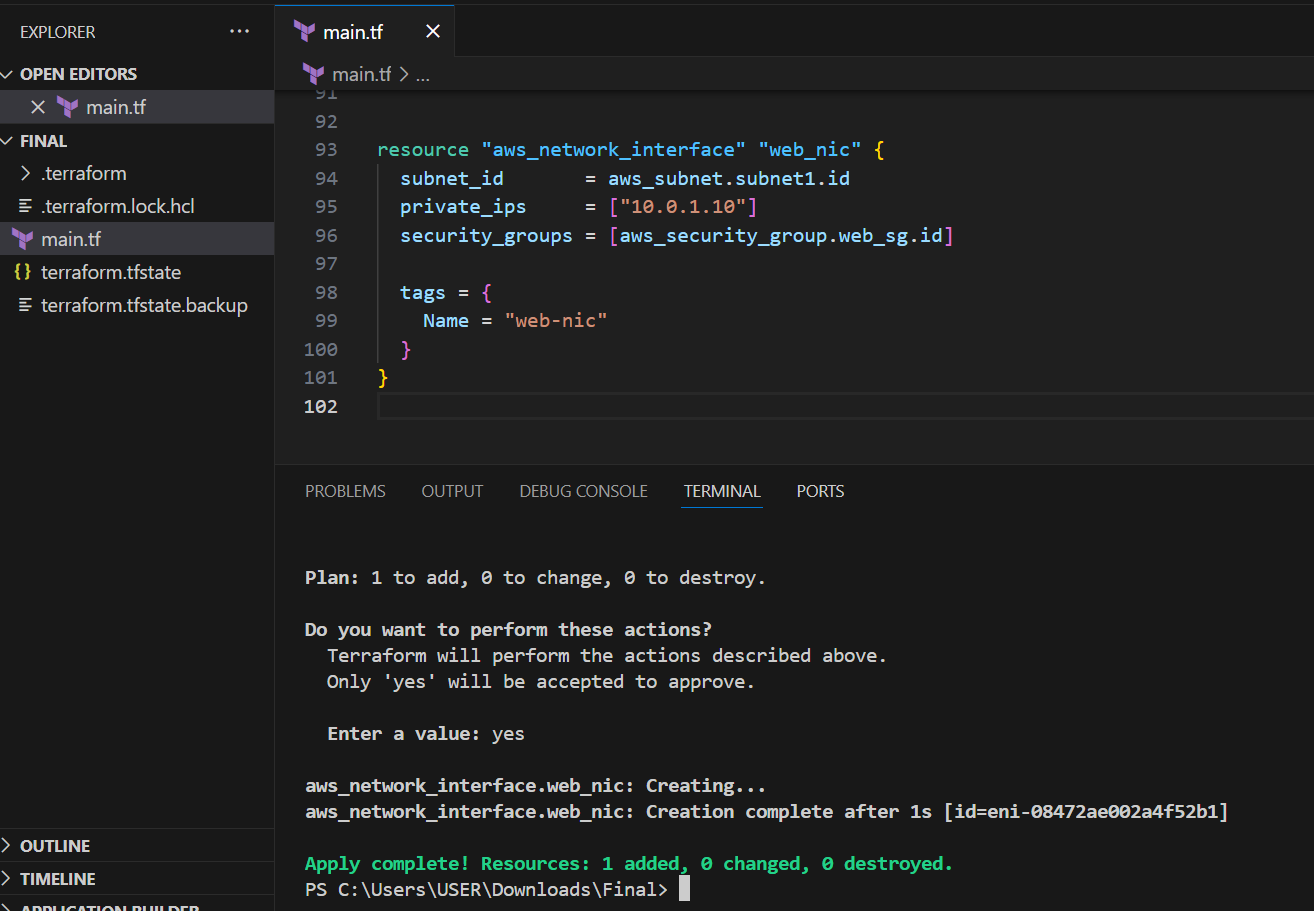


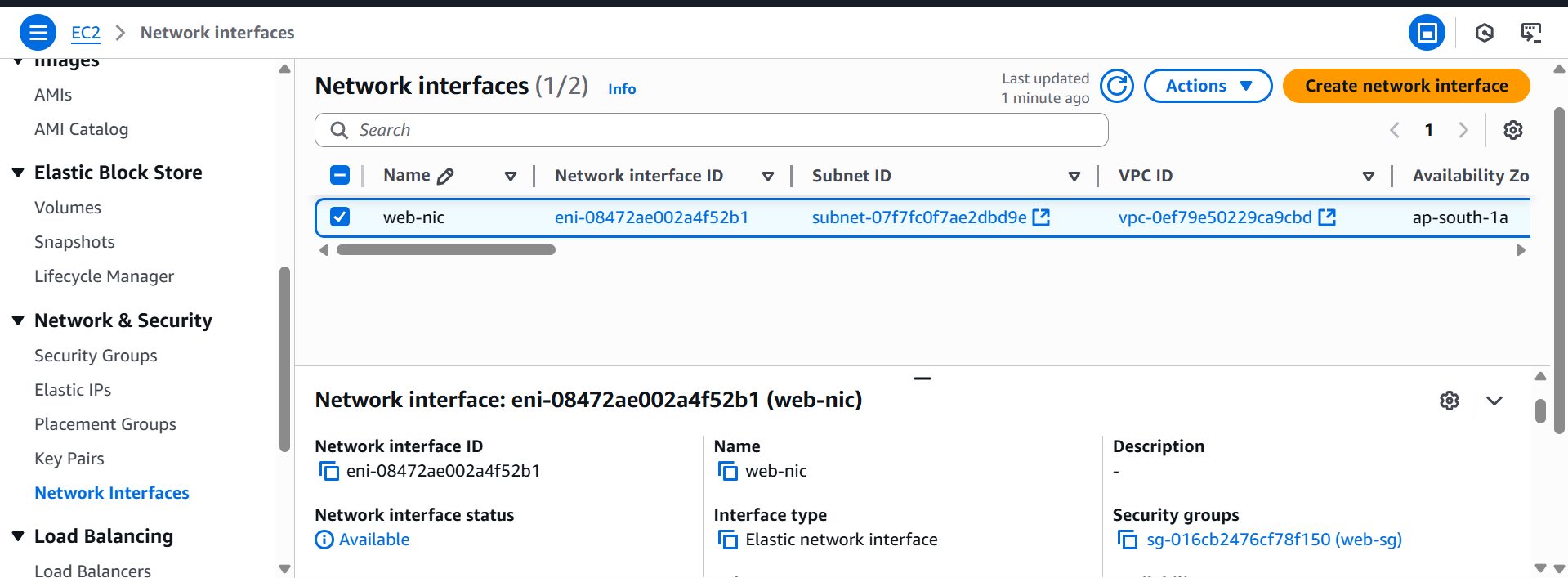
6..Create Security Group to allow port 22.80,443



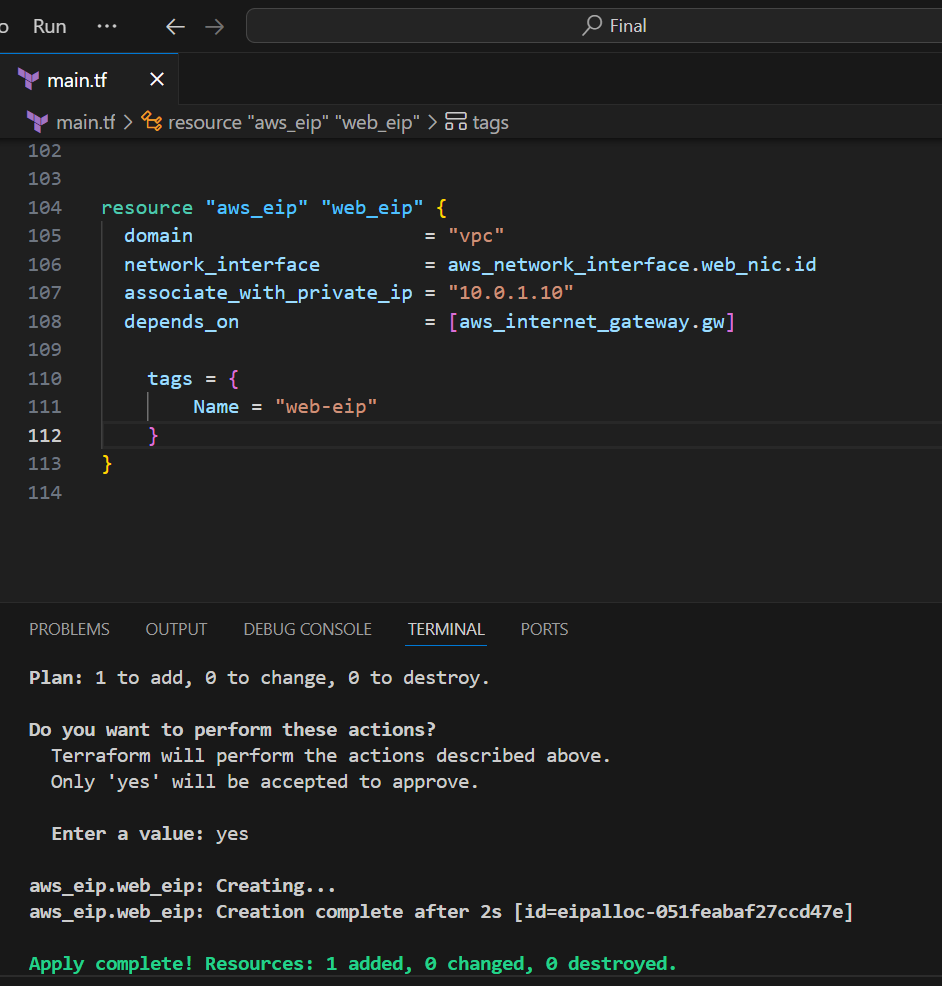


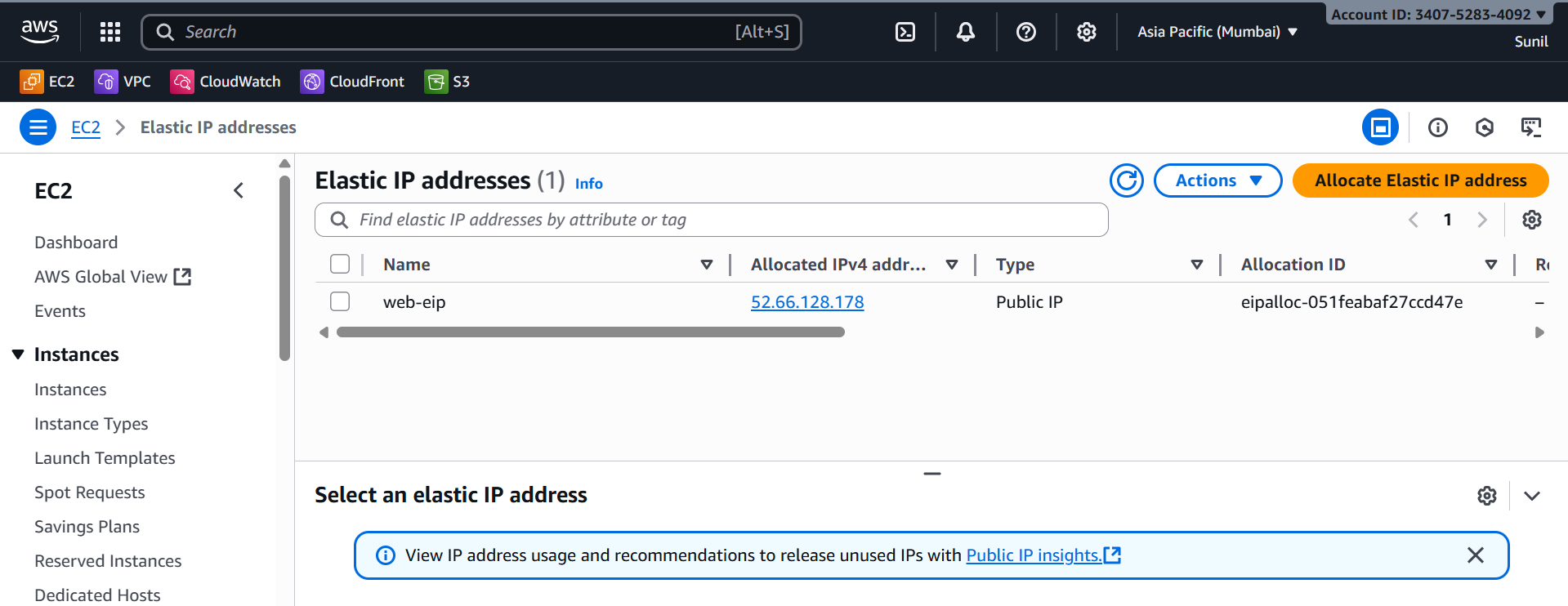
7.Create a network interface with an ip in the subnet that was created in step 4





8.Assign an elastic IP to the network interface created in step7





**9.Create Ubuntu server and install/enable apache2**

resource "aws\_instance" "web" {

  ami           = "ami-02d26659fd82cf299"  # Ubuntu Server  ap-south-1

  instance\_type = "t2.micro"

  key\_name      = "jenkins"   # replace with your keypair

  subnet\_id              = aws\_subnet.subnet1.id

  vpc\_security\_group\_ids = [aws\_security\_group.web\_sg.id]

  user\_data = <<-EOF

              #!/bin/bash

              apt-get update -y

              apt-get install apache2 -y

              systemctl start apache2

              systemctl enable apache2

              echo "<h1>Deployed via Terraform</h1>" > /var/www/html/index.html

              EOF

  tags = {

    Name = "ubuntu-server-"

  }

}

output "web\_instance\_public\_ip" {

  value = aws\_eip.web\_eip.public\_ip

}

