```
         #
  '-\_  ####
 ~-_\_\#####\
 ~~     \###|                Amazon Linux 2023
 ~~      \#/ ___
  ~-_      V~' '->           https://aws.amazon.com/linux/amazon-linux-2023
    ~~~     /
     ~~._-;   _/
       _/ _/
      _/m/'
[ec2-user@ip-172-31-44-33 ~]$
```

```
        + enclave_options (known after apply)

        + ephemeral_block_device (known after apply)

        + instance_market_options (known after apply)

        + maintenance_options (known after apply)

        + metadata_options (known after apply)

        + network_interface (known after apply)

        + private_dns_name_options (known after apply)

        + root_block_device (known after apply)
      }

Plan: 1 to add, 0 to change, 0 to destroy.

Changes to Outputs:
  ~ instance_id = "i-008598443d6cba99b" -> (known after apply)
  ~ public_ip   = "107.23.119.205" -> (known after apply)

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

  Enter a value: yes

aws_instance.example: Creating...
aws_instance.example: Still creating... [10s elapsed]
aws_instance.example: Creation complete after 13s [id=i-0f1aa9b9f60582379]

Apply complete! Resources: 1 added, 0 changed, 0 destroyed.

Outputs:

instance_id = "i-0f1aa9b9f60582379"
public_ip = "54.224.75.21"
[ec2-user@ip-172-31-7-21 ec2-tf]$
```

```
main.tf ×    variable.tf    output.tf    Extension: Remote - SSH

Resources > main.tf
  1  provider "aws" {
  2    region = "us-east-1"
  3  }
  4
  5  resource "aws_instance" "example" {
  6    ami             = "ami-0e449927258d45bc4"
  7    instance_type = "t2.micro"
  8
  9    subnet_id       = "subnet-02c98f1640c6ca613"  # Update this line with the correct subnet ID
 10
 11    # Attach the key pair here
 12    key_name = "key-terraform"  # Name of your key pair created in AWS Console or CLI
 13
 14    user_data = <<-EOF
 15              #!/bin/bash
 16              yum install -y wget unzip
 17              wget https://releases.hashicorp.com/terraform/1.11.3/terraform_1.11.3_linux_amd64.zip
 18              unzip terraform_1.11.3_linux_amd64.zip
 19              mv terraform /usr/local/bin/
 20              EOF
 21
 22    tags = {
 23      Name = "ec2-tf"
 24    }
 25  }
 26
```

```
Terminal  Help    ←  →              Untitled (Workspace)

   main.tf ×    variable.tf ×    output.tf    Extension: Remote - SSH

Resources > variable.tf
  1  variable "aws_region" {
  2    default = "us-east-1"
  3  }
  4
  5  variable "ami_id" {
  6    default = "ami-0e449927258d45bc4"  # Amazon Linux 2 in us-east-1
  7  }
  8
  9  variable "instance_type" {
 10    default = "t2.micro"
 11  }
 12
```

Instance that has been created using Terraform.