Providers.tf

terraform {  
 required\_providers {  
 aws = {  
 source = "hashicorp/aws"  
 version = "6.0.0"  
 }  
 }  
}  
  
provider "aws" {  
 region = "us-east-1"  
}

vpccode for default route table

resource "aws\_vpc" "babaji-vpc" {  
 cidr\_block = var.cidrblock  
 tags = {  
 Name = var.vpcname  
 }  
}  
resource "aws\_subnet" "babaji-pub"{  
 vpc\_id = aws\_vpc.babaji-vpc.id  
 cidr\_block = var.cidr\_sub  
 availability\_zone = var.pubaz  
 map\_public\_ip\_on\_launch =true  
 tags = {  
 Name = var.pubsubname  
 }  
}  
resource "aws\_subnet" "babaji-pub2"{  
 vpc\_id = aws\_vpc.babaji-vpc.id  
 cidr\_block = var.cidr\_pubsub2  
 availability\_zone = var.pubsubaz2  
 map\_public\_ip\_on\_launch =true  
 tags = {  
 Name = var.pubsubname2  
 }  
 }  
resource "aws\_subnet" "babaji-pri"{  
 vpc\_id = aws\_vpc.babaji-vpc.id  
 cidr\_block = var.cidrpri  
 availability\_zone = var.prisub1  
 tags = {  
 Name = var.prisubname  
 }  
}  
resource "aws\_subnet" "babaji-pri2"{  
 vpc\_id = aws\_vpc.babaji-vpc.id  
 cidr\_block = var.cidrpri2  
 availability\_zone = var.prisub2  
 tags = {  
 Name = var.prisubname2  
 }  
}  
resource "aws\_internet\_gateway" "babaji-igw"{  
 vpc\_id = aws\_vpc.babaji-vpc.id  
 tags = {  
 Name = var.igw  
 }  
}  
resource "aws\_route" "default\_internet\_access"{  
 route\_table\_id = aws\_vpc.babaji-vpc.default\_route\_table\_id  
 destination\_cidr\_block = var.igwcidr  
 gateway\_id = aws\_internet\_gateway.babaji-igw.id  
}  
resource "aws\_route\_table\_association" "pub1"{  
 route\_table\_id = aws\_vpc.babaji-vpc.default\_route\_table\_id  
 subnet\_id = aws\_subnet.babaji-pub.id  
}  
resource "aws\_route\_table\_association" "pub2"{  
 route\_table\_id = aws\_vpc.babaji-vpc.default\_route\_table\_id  
 subnet\_id = aws\_subnet.babaji-pub2.id  
}

variables.tf

variable "cidrblock" {  
  
}  
variable "vpcname"{}  
  
variable "cidr\_sub"{}  
variable "pubaz"{}  
variable "pubsubname"{}  
variable "cidr\_pubsub2"{}  
variable "pubsubaz2"{}  
variable "pubsubname2"{}  
variable "cidrpri"{}  
variable "prisub1"{}  
variable "prisubname" {}  
variable "cidrpri2" {}  
variable "prisub2"{}  
variable "prisubname2"{}  
variable "igw" {}  
variable "igwcidr"{}

terraform.tfvars

cidrblock = "10.0.0.0/20"  
vpcname = "babaji-vpc"  
cidr\_sub = "10.0.1.0/24"  
pubaz = "us-east-1a"  
pubsubname = "babaji-pub-subnet"  
cidr\_pubsub2 = "10.0.2.0/24"  
pubsubaz2 = "us-east-1b"  
pubsubname2 = "babaji-pub-subnet2"  
cidrpri = "10.0.4.0/24"  
prisub1 = "us-east-1a"  
prisubname = "babaji-pri-subnet1"  
cidrpri2 = "10.0.5.0/24"  
prisub2 = "us-east-1b"  
prisubname2 = "babaji-pri-subnet2"  
igw = "babaji-igw"  
igwcidr = "0.0.0.0/0"

terraform init

terraform plan

terraform validatate

terraform apply

terraform destroy