#COUNT LECTURE

```
resource "aws_instance" "ec2" {
 count = 4

 ami = data.aws_ami.amz_linux.image_id
 instance_type = "t2.micro"
 availability_zone = var.az[count.index]

 tags = {
   name = "apache-server-${count.index}"
  }
}

data "aws_ami" "amz_linux" {
      owners = ["amazon"]
      most_recent = true

      filter {
         name = "name"
         values =
["amzn2-ami-hvm-2.0.20200722.0-x86*"]
  }
}
###variables
variable "az" {
 default =  ["us-east-1a",
```

```
  "us-east-1b","us-east-1c","us-east-1d"]
}

##provider used- please chose your region
that suits best

provider "aws" {
 region = "us-east-1"
}
```