CODE :

```
x=1

while [ $x -ne 0 ]

do
    echo "_____

    " echo "****Welcome to Amazon CLI****"

    echo 1.Create Instance

    echo 2.Terminate Instance

    echo 3.Create Key Pair

    echo 4.Create VPC

    echo 5.Create VPC Private

    Subnet echo 6.Create public

    Gateway

    echo "_____

    " echo "Enter the choice from above:-"

    read ch

   case "$ch" in

1)      echo "Enter the Image-Id

(AMI) : " read eid

echo "Enter the no. of Instances do you want to lanuch : "

read count
```

```
echo "Enter the Instance Type : "

read typ

echo "Use existing key-pair :

" read keych

echo "Enter Security-Group-Id :

" read sid

echo "Enter Subnet-ID :

" read subid

echo "Region :

" read region

aws ec2 run-instances --image-id $eid --count $count --instance-type $typ --key-name $keych
-- security-group-ids $sid --subnet-id $subid --region $region --region $region
echo " You have Launch Instance Successfully ";;

2)      echo "Enter Instance

ID" read tid

aws ec2 terminate-instances --instance-ids

$tid echo "The $tid is Terminated Sucessfully";;

3)      echo "Enter Key Pair

Name" read Kpair

aws ec2 create-key-pair --key-name $Kpair --query 'KeyMaterial' --output text > $Kpair.pem

echo " You have Create-key-pair Successfully ";;

4)
echo " Let's start creating a VPC "

echo "Enter
Cidr-block." read vpcidr
aws ec2 create-vpc --cidr-block $vpcidr --query Vpc.VpcId --output
text echo "VPC ID is given above        "
;;
5)
```

```
echo "Enter the VPC Id :
" read vpcid

echo "Enter subneting cidr

:" read cidr

aws ec2 create-subnet --vpc-id $vpcid --cidr-block $cidr
;;
6)
aws ec2 create-internet-gateway --query InternetGateway.InternetGatewayId --output text

echo "Above is your internet gateway Id"
;;

*)echo "Invalid

choice.";; esac

echo "_____"

echo "Enter 1 for continue and 0 for

exit." read x

done
```

OUTPUT :

```
[ritiketdukare@localhost .aws]$ ./instance2.sh

****Welcome to Amazon CLI****
1.Create Instance
2.Terminate Instance
3.Create Key Pair
4.Create VPC
5.Create VPC Private Subnet
6.Create public Gateway
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Enter the choice from
above:- 1
Enter the Image-Id (AMI) :
ami-02e136e904f3da870
Enter the no. of Instances do you want to lanuch :
1
Enter the Instance Type :
t2.micro
Use existing key-pair
: mykeypair
Enter Security-Group-Id
: sg-0def300e6c6fbafcd
Enter Subnet-ID :
subnet-0847114362c37f336
Region :
us-east-1
{
    "Groups": [],
    "Instances": [
        {
            "AmiLaunchIndex": 0,
            "ImageId": "ami-02e136e904f3da870",
            "InstanceId": "i-0b44284254fd5579a",
            "InstanceType": "t2.micro",
            "KeyName": "mykeypair",
            "LaunchTime": "2021-10-13T13:14:13+00:00",
            "Monitoring": {
                "State":
                "disabled"
            },
            "Placement": {
                "AvailabilityZone": "us-east-1f",
                "GroupName": "",
                "Tenancy": "default"
            },
            "PrivateDnsName": "ip-172-31-68-176.ec2.internal",
            "PrivateIpAddress": "172.31.68.176",
            "ProductCodes": [],
            "PublicDnsName": "",
```

"State": {

```
            "Code": 0,
            "Name": "pending"
        },
        "StateTransitionReason": "",
 You have Launch Instance Successfully
  ----------------------
Enter 1 for continue and 0 for
exit. 1
--------------------------------
****Welcome to Amazon CLI****
1.Create Instance
2.Terminate Instance
3.Create Key Pair
4.Create VPC
5.Create VPC Private Subnet
6.Create public Gateway
----------------------------
Enter the choice from
above:- 2
Enter Instance ID
i-0b44284254fd5579a
{
    "TerminatingInstances": [
        {
            "CurrentState": {
                "Code": 32,
                "Name": "shutting-down"
            },
            "InstanceId": "i-0b44284254fd5579a",
            "PreviousState": {
                "Code": 16,
                "Name": "running"
            }
        }
    ]
}
The i-0b44284254fd5579a is Terminated Sucessfully
  ----------------------
Enter 1 for continue and 0 for
exit. 1
--------------------------------
****Welcome to Amazon CLI****
1.Create Instance
2.Terminate Instance
3.Create Key Pair
4.Create VPC
5.Create VPC Private Subnet
6.Create public Gateway
----------------------------
Enter the choice from
above:- 3
Enter Key Pair Name
```

```
demokey
 You have Create-key-pair Successfully
  ----------
Enter 1 for continue and 0 for
exit. 0
[ritiketdukare@localhost .aws]$ ls
config       demokeypair.pem instance2.sh mykeypair.pem
credentials demokey.pem       instance.sh   NewKeyPair.pem
[ritiketdukare@localhost .aws]$ ./instance2.sh
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
****Welcome to Amazon CLI****
1.Create Instance
2.Terminate Instance
3.Create Key Pair
4.Create VPC
5.Create VPC Private Subnet
6.Create public Gateway
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Enter the choice from
above:- 4
 Let's start creating a VPC
Enter Cidr-block.
10.0.0.0/16
vpc-0bb5f874127623cd5
VPC ID is given
above....
  ----------
Enter 1 for continue and 0 for
exit. 1
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
****Welcome to Amazon CLI****
1.Create Instance
2.Terminate Instance
3.Create Key Pair
4.Create VPC
5.Create VPC Private Subnet
6.Create public Gateway
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
Enter the choice from
above:- 5
Enter the VPC Id :
vpc-0bb5f874127623cd5
Enter subneting cidr :
10.0.1.0/24
{
    "Subnet": {
        "AvailabilityZone": "us-east-1a",
        "AvailabilityZoneId": "use1-az6",
        "AvailableIpAddressCount": 251,
        "CidrBlock": "10.0.1.0/24",
        "DefaultForAz": false,
        "MapPublicIpOnLaunch": false,
        "State": "available",
```

```
        "SubnetId": "subnet-06ccacd7d1a9ef69f",
        "VpcId": "vpc-0bb5f874127623cd5",
        "OwnerId": "417051316242",
        "AssignIpv6AddressOnCreation": false,
        "Ipv6CidrBlockAssociationSet": [],
        "SubnetArn": "arn:aws:ec2:us-east-1:417051316242:subnet/subnet-06ccacd7d1a9ef69f"
    }
}
  ----------
Enter 1 for continue and 0 for
exit. 1
--------------------------------------
****Welcome to Amazon CLI****
1.Create Instance
2.Terminate Instance
3.Create Key Pair
4.Create VPC
5.Create VPC Private Subnet
6.Create public Gateway
--------------------------------------
Enter the choice from
above:- 6
igw-0675480209272dca0
Above is your internet gateway Id
  ----------
Enter 1 for continue and 0 for
exit. 0
```