CREATING VPC:

1. In Management Console go to **VPC** and create a new one with following values: CIDR block: 10.0.0.0/16, No IPv6 CIDR block, tenancy: default.
2. Create a new **Subnet**. VPC ID: choose the one created in previous step. Give it a name to indicate that it’ll be a public subnet, choose an AZ and provide CIDR block: 10.0.0.0/24.
3. Create a new **Internet Gateway** for your previously created VPC. Then attach the IGW to the VPC
4. Add routes to your previously created VPC **route table**. Choose the route associated with your VPC, and in **Routes** tab click on *Edit routes*. Then *Add route* and set the values to Destination: 0.0.0.0/0 and Target: choose **Internet Gateway** and then select the previously-created one.
5. Create an **EC2 instance** inside your VPC. Navigate to EC2 and launch instance (Amazon Linux 2, t2.micro). Make sure that under **Network** you choose your **VPC**and **enable assigning of Public IPv4 address**. Create a new Security Group that will allow **All CIMP – IPv4** from anywhere inbound traffic.
6. Allocate an EIP and associate it with your EC2 instance. Navigate to **VPC** tab and **Allocate Elastic IP address**. Then select it and from *Actions* choose *Associate Elastic IP address*. Provide the following values: Resource type: Instance, Instance: your earlier created instance, Private IP leave blank.
7. Now if you ping that Elastic IP you should get responses from instanc