

## **GCP Assignment 2**

### **Question 1:**

#### **Steps:**

1. Click create instance
2. Name the instance
3. Select the region and zone
4. Select the machine type as F1 Micro
5. Configure any other details as per need (Storage etc.)
6. Check the network interface as default
7. Click create

### **Question 2:**

#### **Steps:**

1. Click create instance
2. Name the instance
3. Select the region and select different zone
4. Select the machine type as F1 Micro
5. Configure any other details as per need (Storage etc.)
6. Check the network interface and set the external IP to none (Thus creating a private instance)
7. Click create

### **Question 3:**

#### **Steps:**

1. Go to Cloud NAT
2. Give the gateway name
3. Select VPC Network
4. Specify region
5. Create a cloud router
6. In NAT Mapping select 'Primary ranges for all subnets' (Since primary ranges is for compute engines and secondary ranges is for Kubernetes)
7. Click create

**(Now all the private subnets in the region are connected to the internet through the NAT Gateway)**

**Question 4:****Steps:**

1. Open SSH Terminal of public instance
2. Type `ssh private-instance-name` (we're in the ssh terminal of private instance now)
3. Type `sudo apt-get install nginx`