VPC –

1. Create a VPC with ip address range 10.0.0.0/26 name “neoskills”
2. Create a IG with name neoskills-ig and attach it to neoskills vpc
3. Create a subnet named neoskills-public1 with a range 10.0.0.0/28
4. Create a subnet named neoskills-public2 with a range 10.0.0.16/28
5. Create a subnet named neoskills-private1 with a range 10.0.0.32/28
6. Create a subnet named neoskills-private2 with a range 10.0.0.48/28
7. Create a routing table neoskills-pub-rt and do subnet association
8. Put a rule in neoskills-pub-rt so that traffic to 0.0.0.0/0 should go through IG (create IG-vpc to internet)
9. Create a nat instance from nat ami and put it in neoskills vpc in neoskills-public1 subnet (all outbound internet from private to internet – nat to internet)
10. Allocate and associate an elastic ip to nat instance
11. Create a routing table named neoskills-pvt-rt and do the subnet association and put the routing rule

0.0.0.0/0 through nat instance

1. Public subnet – action auto assign public ip
2. Vpc – dns resolution
3. Vpc - Dns hostname
4. Create an instance and launch in neoskills vpc and in neoskills-public1 subnet and check connectivity
5. Create an instance in neoskills vpc and in neoskills-private1 subnet and check connectivity