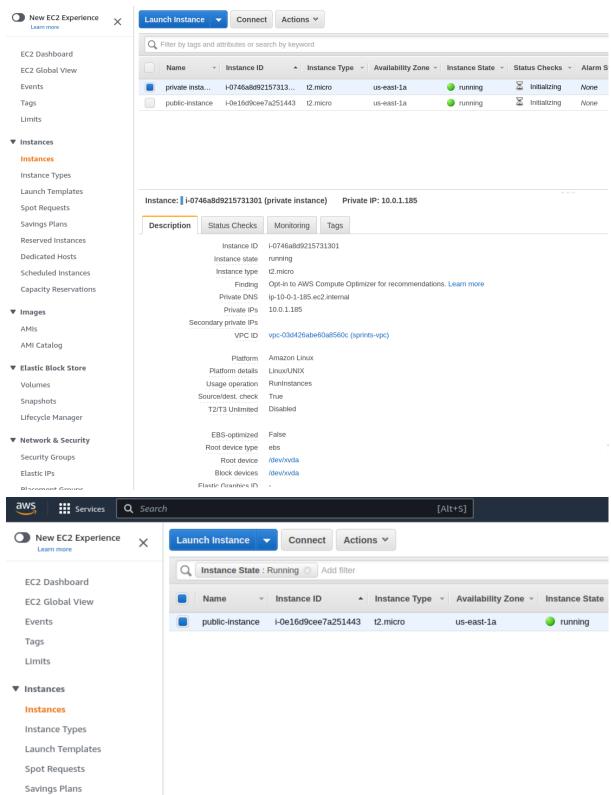Question1:

Implement a vpc with cidr 10.0.0.0/16 with 2 public subnets with cidrs 10.0.0.0/24 and 10.0.0.2.0/24 with a load balancer to Distribute the traffic between 2 machines with nginx installed in them as a proxy and 2 private subnets with the below cidrs 10.0.1.0/24 and 10.0.0.3.0/24 then a 2 instances attached in autoscaling in the private subnets with apache installed without SSH and load balancer to install between them

Route table: rtb-0eb90ac46ac38a177 / my-route-table

Routes (2)

🔍 Filter routes

Destination	Target
10.0.0.0/16	local
0.0.0.0/0	igw-0917c1

VPC dashboard ✕

EC2 Global View 🔗 New

Filter by VPC:

Select a VPC ▼

▼ Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Subnets (1/8) Info

🔍 Filter subnets

☐	Name ▽	Subnet ID ▽	State ▽	VP
☐	–	subnet-0309b7c9eb69886cb	⊘ Available	vpc
☐	–	subnet-0c9c4719235a15d98	⊘ Available	vpc
☐	–	subnet-0e95c9af2f64854f9	⊘ Available	vpc
☑	public-subnet	subnet-0aaeed941c4bb855d	⊘ Available	vpc
☐	–	subnet-045800b1c1ca9be2b	⊘ Available	vpc
☐	–	subnet-0c0e158859ff438e5	⊘ Available	vpc
☐	–	subnet-07b3e6f70f4c3dbb5	⊘ Available	vpc
☐	private-subnet	subnet-0fe2708571e967699	⊘ Available	vpc

VPC > Your VPCs > vpc-0b9d3d12d8e9ed169

vpc-0b9d3d12d8e9ed169 / lab_3_VPC

Actions ▼

Details Info

VPC ID	State	DNS hostnames	DNS resolution
🗗 vpc-0b9d3d12d8e9ed169	⊘ Available	Disabled	Enabled
Tenancy	**DHCP option set**	**Main route table**	**Main network ACL**
Default	dopt-05683ce2b1cafd275	rtb-0e0658301876a005b	acl-041373c4b957e6f29
Default VPC	**IPv4 CIDR**	**IPv6 pool**	**IPv6 CIDR (Network border**
No	10.0.0.0/24	–	group)
			–
Network Address Usage metrics	**Route 53 Resolver DNS Firewall**	**Owner ID**	
Disabled	rule groups	🗗 422097883691	
	–		

☐	lab_3_private_subnet	subnet-056224b2031ba9df3	⊘ Available	vpc-0b9d3d12d8e9ed169 | la...	10.0.0.0/28
☐	–	subnet-0389e947a137e5844	⊘ Available	vpc-0b92a5634ea5f6681	172.31.64.0/20
☐	–	subnet-017a96ebe738057c1	⊘ Available	vpc-0b92a5634ea5f6681	172.31.48.0/20
☐	–	subnet-0bfb20b31494eb28c	⊘ Available	vpc-0b92a5634ea5f6681	172.31.32.0/20
☐	–	subnet-00a9893f561206386	⊘ Available	vpc-0b92a5634ea5f6681	172.31.16.0/20
☐	–	subnet-004e015fe541826e5	⊘ Available	vpc-0b92a5634ea5f6681	172.31.0.0/20
☐	–	subnet-07c360f9f96452860	⊘ Available	vpc-0b92a5634ea5f6681	172.31.80.0/20
☐	lab_3_puplic_subnet	subnet-0e0496ba4ef77116d	⊘ Available	vpc-0b9d3d12d8e9ed169 | la...	10.0.0.16/28

☐	Name ▽	Internet gateway ID ▽	State ▽	VPC ID ▽	Owner
☐	LAb_3_GW	igw-02c820d3bbf60dcb4	⊘ Attached	vpc-0b9d3d12d8e9ed169 | lab_3_VPC	42209788
☐	–	igw-0547a15c8f579d2e7	⊘ Attached	vpc-0b92a5634ea5f6681	42209788