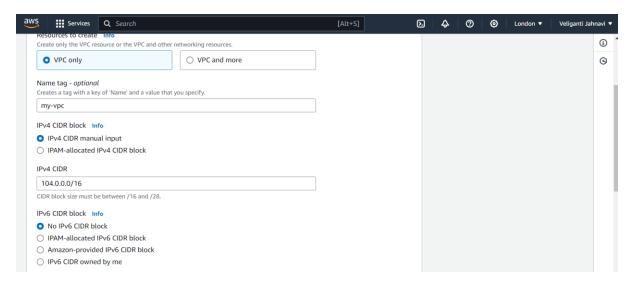
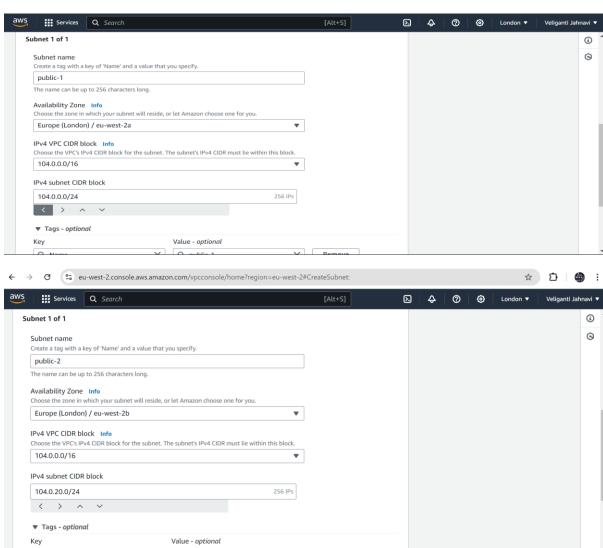
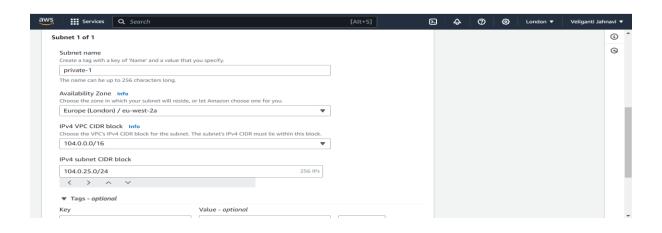
3-Tier Architecture.

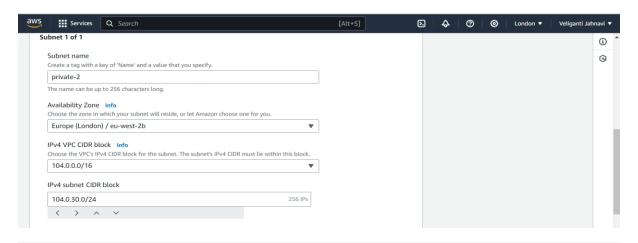
Step 1: Choose the region (London)→Create a VPC.

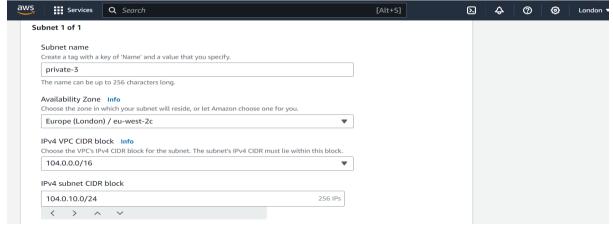


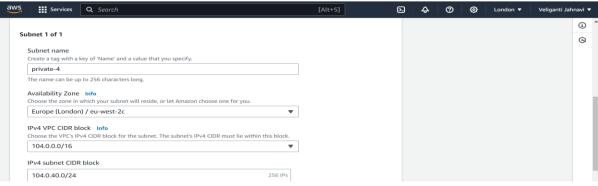
Step 2: Create 2 public(2a,2b) subnets and 4(2a,2b,2c,2d) private subnets.

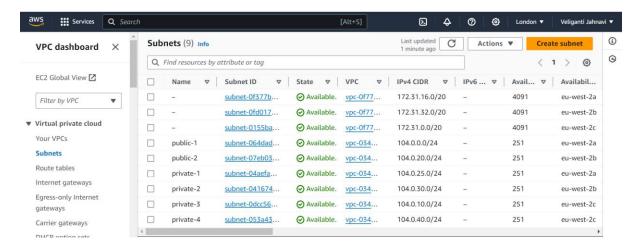








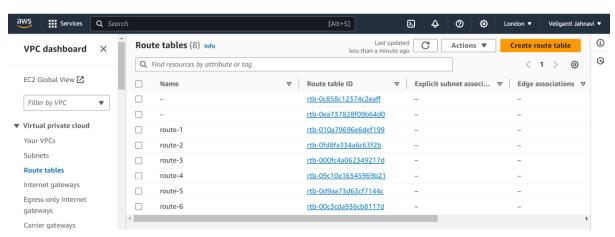




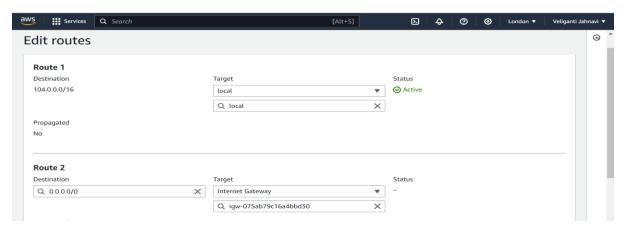
Step 3: Create an Internet Gateway and attach it to VPC.



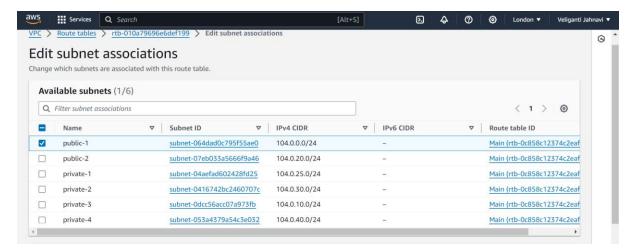
Step 4: Create Route tables.



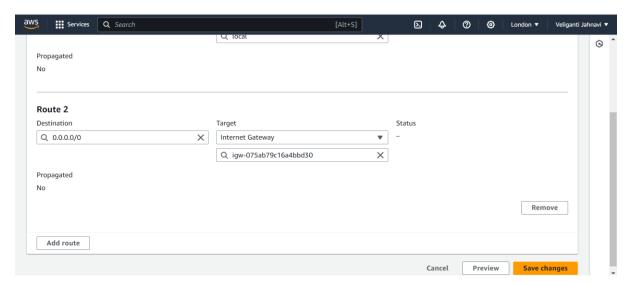
Step 6: Go to route 1 → Edit routes → Attach to IGW.



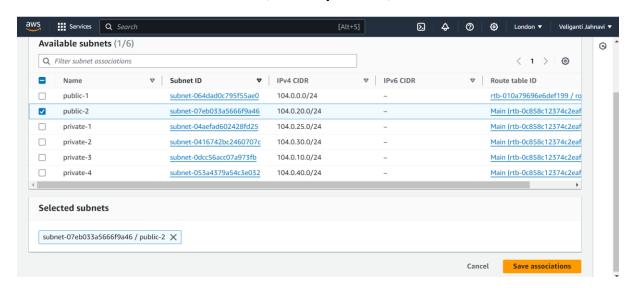
Here edit the subnet association, select public-1, and save.



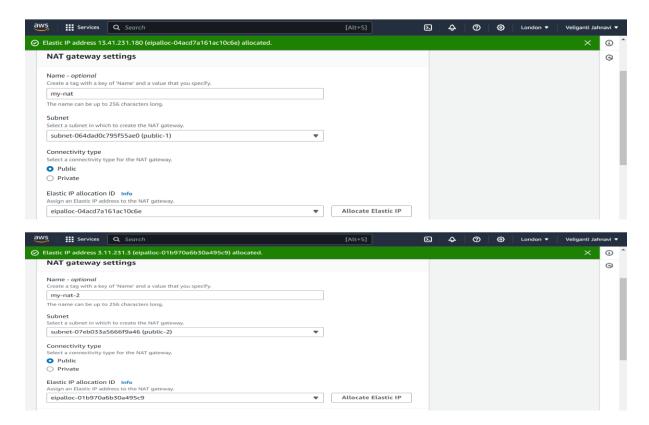
Step 6: Go to route 2 → Edit routes → Attach to IGW.



Here edit the subnet association, select public-2, and save.

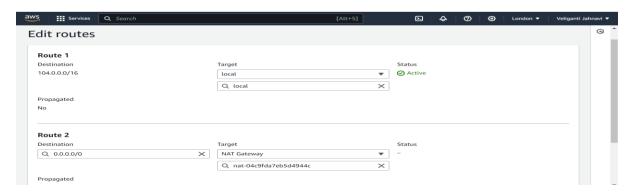


Step 7: Create 2 NAT Gateways (public1, public2).

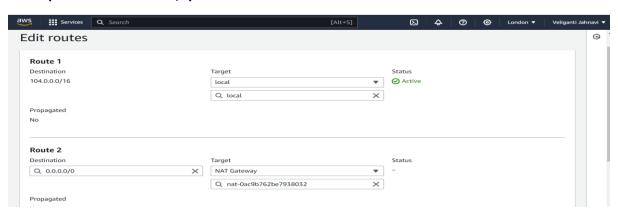


Go to the route table \rightarrow edit route \rightarrow Add NAT Gateway \rightarrow [Route (3,5)-NAT (1)] \rightarrow Route (4,6)-NAT (2) \rightarrow edit subnet association and tick and save[route(3,4,5,6) \rightarrow subnet(private-1,2,3,4)].

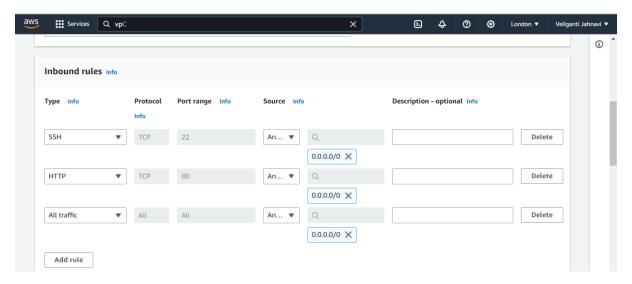
NAT-1(SUBNET PRIVATE-1,3)



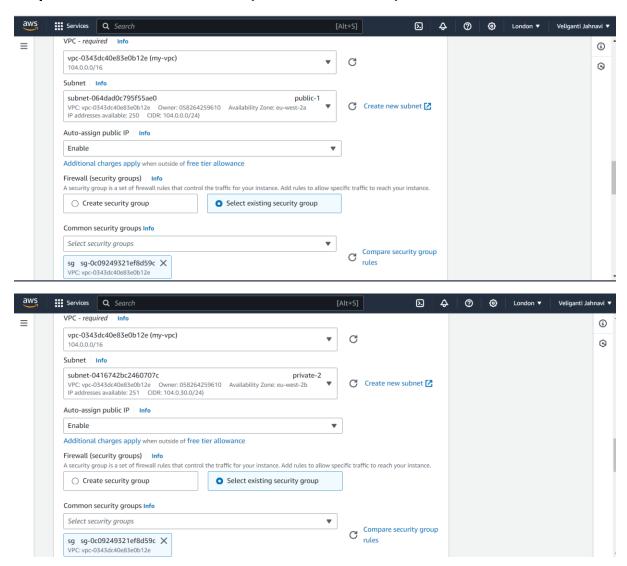
NAT-2(SUBNET PRIVATE-2,4)



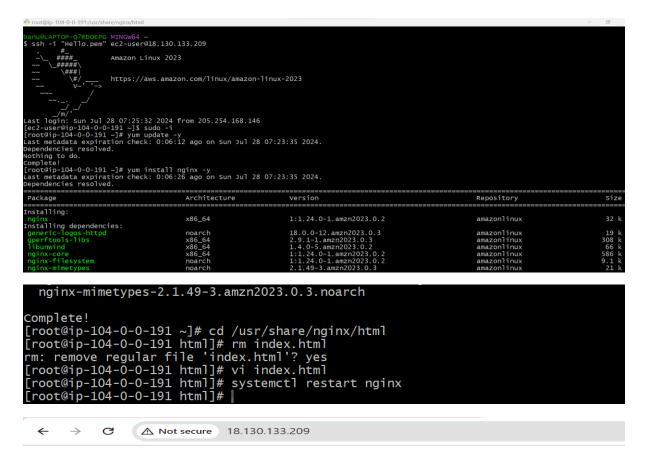
Step 8: Create a Security Group.



Step 9: Create 2 EC2 Instances (Public and Private).

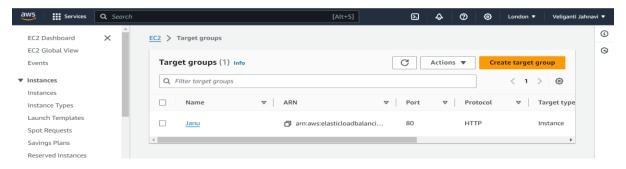


Connect to EC2 instance (PUBLIC[EC1-public]).



This is Public Instance

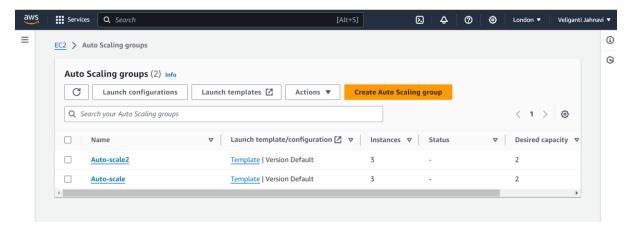
Step 10: Create a Target Group.



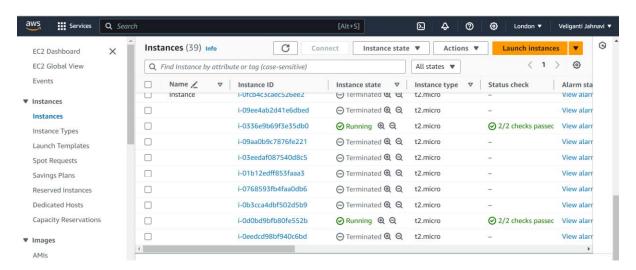
Step 11: Create a Load Balancer.



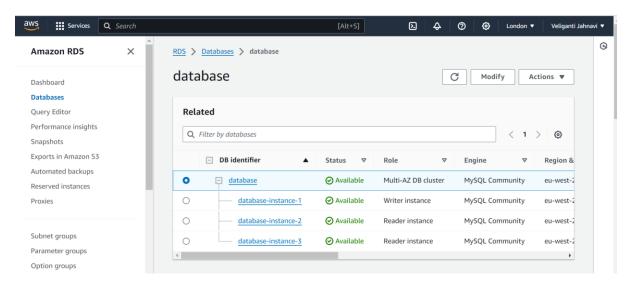
Step 12: Create an Auto Scaling Group (Public, private).



Auto Create Instance and Terminated.



Step 13: Go to RDS and Create databases.



Connect to Server→Install MariaDB→Connect to MYSQL Server.