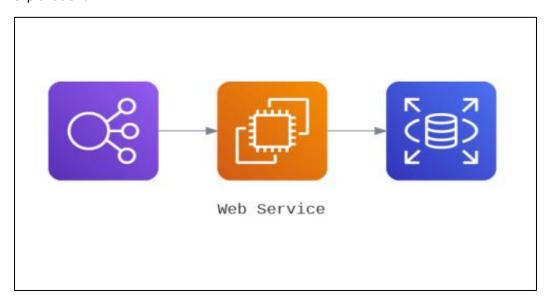
Ques: Complete the below task:

- 1. Explain the below AWS Architecture
- 2. Implement the same in the AWS(only do a proper connection between service)

NOTE: Submission can be done by sharing the proper screenshots of implementation and doc for explanation!

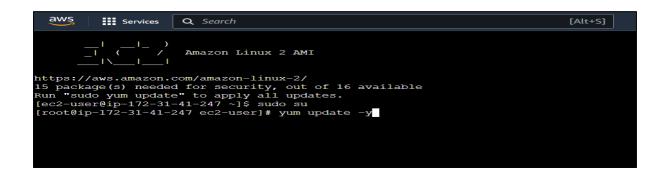


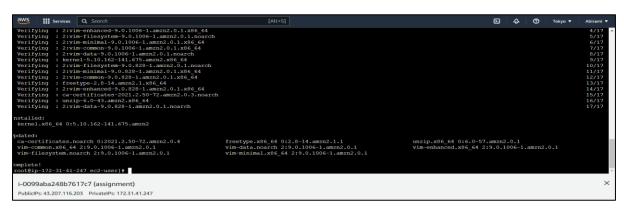
Explanation:

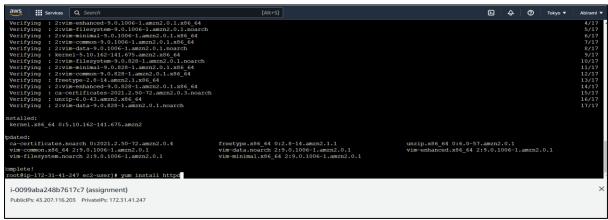
In this assignment we have connected a Load balancer (ELB) with EC2 instance that is further connected to RDS containing MySQL database.

EC2 Instance:

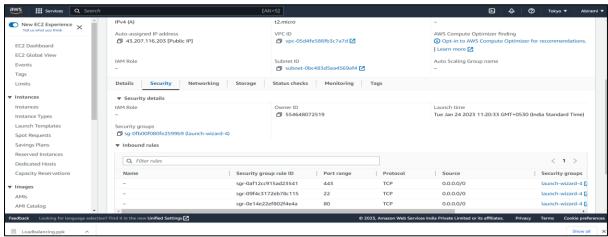
- 1. Intially I have switched as root user and updated Yum package manager.
- 2. Using yum install httpd, I have installed Apache web server
- 3. I have ran the apache web server using systemctl start httpd
- 4. Additionally I have ran the command systemctl enable httpd to run the apache web server during system startup.
- 5. Enabled the port 80 in inbound and outbound rules in security group.
- 6. Created an index.html file inside /var/www/html/.

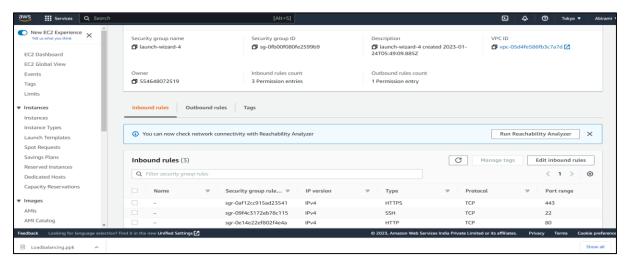


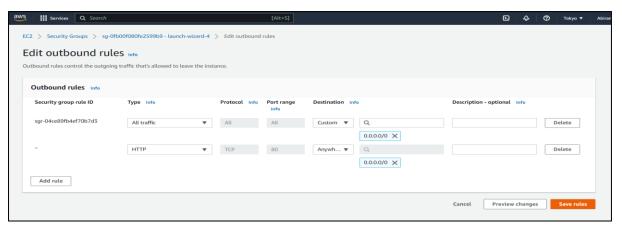


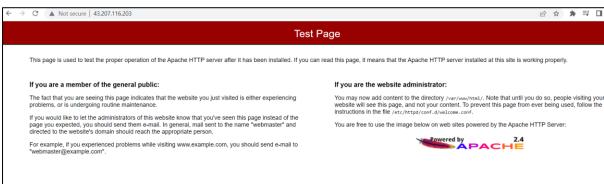


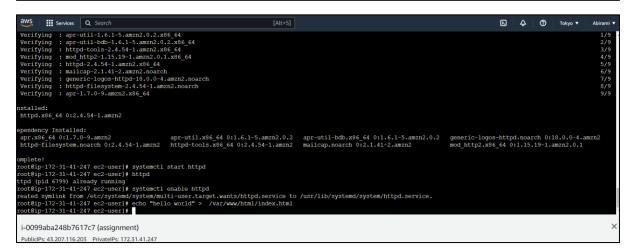


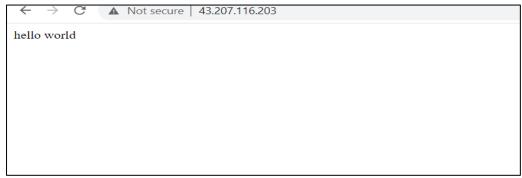






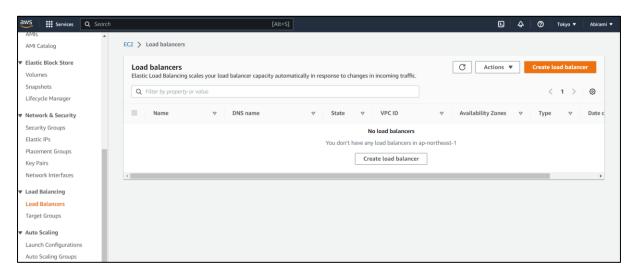


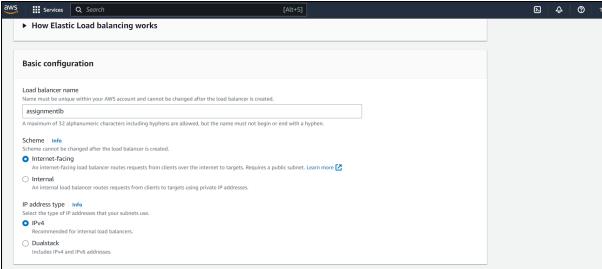




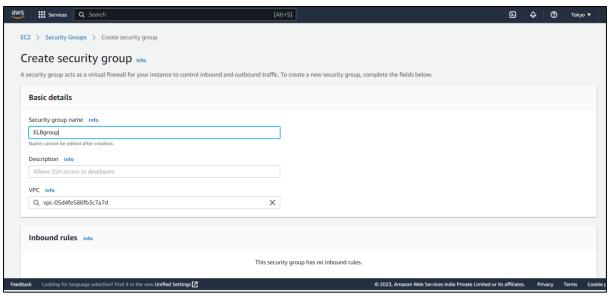
Load Balancer:

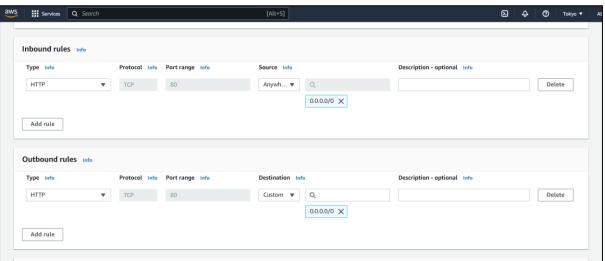
I have created a load balancer using the security group option and I have set the inbound and outbound rules to permit http. Also I have registered the target EC2 instance which I have created earlier.

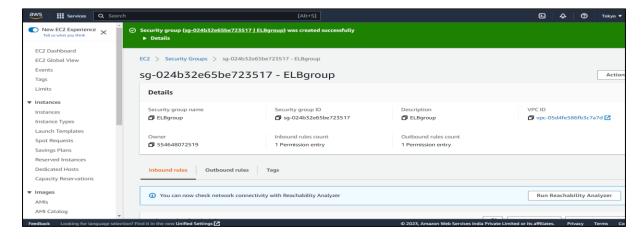




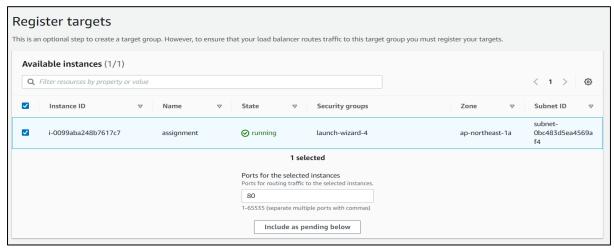


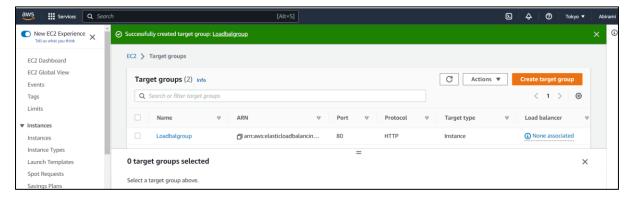


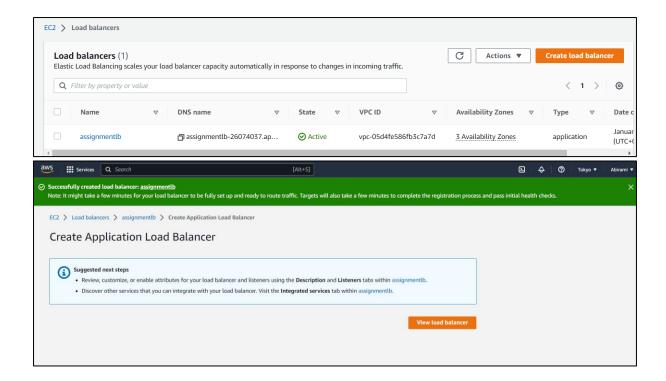












RDS:

Finally I have created RDS instance with MySQL as the database. In the connectivity section I have added the previously created EC2 instance.

