Task 1

Client has requirement to build a dynamic website inside 2 EC2 instances. Client is consent that they don't want to expose instances to the public network. In that case, they want to place an application load balancer in front of these servers

Furthermore, client wants to make sure traffic is balanced between both instances

1. Create a launch template with below specifications included provided bootstrapped user data to install this web application unto your ec2 instances.
    a. Instance type: **t2.micro**
    b. Bootstrap data: **google drive in class lab folder**
    c. AMI: **ami-04468e03c37242e1e**
2. Use this launch template to launch your servers inside 2 different availability zones. (Make sure to place your instances inside private subnets)
3. Create an application load balancer which will sit behind your instances
4. Test your load balancer to make sure traffic is being served to both instances

Task 1

1. In addition to the above configuration, apply auto scaling to web cluster using same launch template with a desire capacity of 2
2. Make sure new instances getting added to the cluster are included in the load balancer as well
3. Setup a scaling policy to scale up if CPU exceeds 80 percent
4. Get notifications for all activities happening within your auto scaling group
5. Test autoscaling by deleting one of your instances.

Clean up by deleting everything you have created.