Auto Scaling - Lab

- Create Load Balancer (Steps already given in previous class)

- Go to Launch Templates - Create launch template
- Launch template name - MyLTMP(Can give any name)
- Template version description - 1
- Select "Provide guidance to help me set up a template that I can use with EC2 Auto Scaling"
- Amazon machine image (AMI) - Amazon Linux 2
- Instance type - T2-Micro
- Key pair - Select existing Key Pair
- Security groups - Select existing Security group (SSH & HTTP must be opened)
- Storage (volumes) - Make it as 9 GB
- Resource tags (Key - Name & Value - MyLTMP)
- Advanced details - User data

```
#!/bin/bash
sudo su
yum update -y
yum install httpd -y
cd /var/www/html
echo "MyGoogle" > index.html
service httpd start
chkconfig httpd on
```

- Create launch template - View launch templates
- Can see launch template has been created successfully

- Go to Auto Scaling Groups - Create an Auto Scaling group
- Auto Scaling group name - MyASG
- Launch template - Select MyLTMP - MyLTMP
- Subnets - Select all 3 subnets - Next
- Select Enable load balancing
- Classic Load Balancer - Select MyLB
- Select ELB
- Health check grace period - 150 - Next
- Desired capacity - 3
- Minimum capacity - 3
- Maximum capacity - 10
- Target tracking scaling policy
- Target value - 90
- Instances need - 300 - Next - Next
- Tags - Add Tag (Key - Name & Value - Web Server) - Next
- Create Auto Scaling group
- Can see Auto Scaling has been created successfully
- Can see all 3 instances running successfully.

You can verify by terminating some instances to check whether Auto Scaling is working fine or not.

Terminate all after finishing lab

- Delete Auto Scaling
- Delete Launch Template
- Delete Load Balancer
