* **AWS ASSIGNMENT**

1. **Write steps for creation of AWS EC2 instance.**

* **Steps of creating AWS EC2**

1. **Sign in into AWS account.**
2. **Go to the Services.**
3. **Then click on Compute.**
4. **Click on the EC2 ( Virtual Servers in the Cloud )**
5. **Click Launch Instance**
6. **Create Name**
7. **Then Select Operating System in ( Application and OS Images (Amazon Machine Image)**
8. **Then Launch Instance.**

**2) Write steps for creation of IAM Groups.**

1. **Steps of creating IAM Groups.**
2. **Sign in into AWS account.**
3. **Go to the Services.**
4. **Then click on Security, Identity & Compliance**
5. **Then click on the IAM**
6. **Then go to the Dashboard**
7. **Click on User Groups**
8. **Then Create Group**
9. **Give User Group Name and Attach Permissions Policies. Ex : AmazonS3FullAccess and AmazonEC2FullAccess**
10. **Then Create User Group**

**3) Explain these topics :**

1. **Load Balancing - Load balancing in Amazon Web Services (AWS) is a method of distributing incoming network traffic across multiple resources to improve the performance, scalability, availability, and security of an application**
2. **Auto scaling - AWS Auto Scaling is a service that automatically adjusts the capacity of AWS services to maintain application performance and costs. It monitors applications and resource groups in real-time, adding or removing capacity as demand changes**
3. **Lambda - Lambda is an ideal compute service for application scenarios that need to scale up rapidly, and scale down to zero when not in demand. For example, you can use Lambda for: File processing: Use Amazon Simple Storage Service (Amazon S3) to trigger Lambda data processing in real time after an upload.**