**AWS Day-1 Assignment**

What is cloud?

"The cloud" refers to servers that are accessed over the Internet and the software and databases that run on those servers. Cloud servers are located in data centers all over the world. By using cloud computing, users and companies don't have to manage physical servers themselves or run software applications on their own machines.

Different types of cloud?

1) Private cloud

2) Public cloud

3) Hybrid cloud

Advantages of cloud?

1) Reduced IT costs. Moving to cloud computing may reduce the cost of managing and maintaining your IT systems

2) Scalability

3) Business continuity

4) Collaboration efficiency

5) Flexibility of work practices

6) Access to automatic updates

Disadvantages of cloud?

1) No longer in control. When moving services to the cloud, you are handing over your data and information.

2) May not get all the features. Not all cloud services are the same.

3) Doesn't mean you should do away with servers.

4) No Redundancy.

5) Bandwidth issues

What is EC-2?

Amazon Elastic Compute Cloud (EC2) is a web service that provides secure, resizable compute capacity in the cloud. It is designed to make web-scale cloud computing easier for developers. Amazon EC2's simple web service interface allows you to obtain and configure capacity with minimal friction.

Advantages of EC-2?

1. Elastic Web-Scale Computing. Amazon EC2 enables you to increase or decrease capacity within minutes, not hours or days.

2. Completely Controlled. You have complete control of your instances.

3. Flexible Cloud Hosting Services.

4. Designed for use with other Amazon Web Services.

5. Reliable.

6. Secure.

7. Inexpensive.

8. Easy to Start.

Disadvantages of EC-2?

1. Having so many options makes it complex to understand how to start an instance, or configure it.

2. If the key generated to enter the VPS is lost, all the information is lost and there is no way to access it again.

3. Having multiple instances at the same time is really expensive.

4. The commands to use the console are somewhat complex.