**AWS Assignment 3**

1. Describe the significance of AWS.

AWS is easy to utilise. Enables organisations to effortlessly scale up and down in response to changing demands and volumes. You don't have to worry about your data, IT infrastructure, or anything else since AWS delivers the security and capabilities you need. You don't have to worry about your budget on cloud storage when you use AWS. AWS is a one-stop shop for all cloud computing and IT requirements. It provides ready-to-use platforms that you may employ to boost efficiency or effectiveness. Amazon delivers scalable infrastructure in response to demand.

1. Explain what EC2 is?

EC2 is Elastic Compute Cloud. It is Infrastructure as a Service. Using the EC2 web interface, developers may create virtual machine instances and quickly set capacity scaling of instances. EC2 also allows customers to design apps that automate scaling based on changing demands and peak periods, and it makes it simple to construct virtual servers and manage storage, reducing the need for hardware investment and helping to speed development processes.

1. Explain the working of S3 and list various types of instances.

Users build 'Buckets' within the S3 service. Buckets, which are similar to folders, are used to hold object-based files. In terms of its attributes and related permissions, each item uploaded to an S3 bucket is self-contained. Types of S3 instances:

* S3 Standard
* S3 Intelligent-Tiering
* S3 Standard-Infrequent Access
* S3 One Zone-Infrequent Access
* S3 Glacier

1. Explain the importance of IAM in AWS.

AWS IAM's objective is to assist IT administrators in managing AWS user identities and their varied levels of access to AWS services. Organizations get granular control over who has access to their AWS resources, what resources are accessible, and what activities authorised users may take inside their allocated resources. It's used to configure users, permissions, and roles.