**AWS Assignment 1**

1. Describe how to link numerous sites to a VPC?

To have multiple VPN connections, use AWS VPN CloudHub to provide secure communication between sites.

1. What is the difference between EBS and Instance Store, and how do you explain it?

Some Amazon Elastic Compute Cloud (Amazon EC2) instance types come with a form of directly attached, block-device storage known as the instance store. The instance store is ideal for temporary storage, because the data stored in instance store volumes is not persistent through instance stops, terminations, or hardware failures.

For data you want to retain longer, or if you want to encrypt the data, use Amazon Elastic Block Store (Amazon EBS) volumes instead. EBS volumes preserve their data through instance stops and terminations, can be easily backed up with EBS snapshots, can be removed from one instance and reattached to another, and support full-volume encryption.

1. What are the different types of load balancers available in AWS?

AWS supports four types of load balancers: Classic Load Balancers, Network Load Balancers (NLBs), Application Load Balancers (ALBs), and Gateway Load Balancers (GWLBs).

1. How does AWS IAM make a profit?

AWS IAM is offered free and does not charge any to use the service.

1. Demonstrate the DynamoDB support mechanism.

It is a NoSQL database service which is superintended and provides fast and inevitable performance with seamless scalability.

It also enables the users to offload the operating and scaling distributed databases to AWS.

So that the users don’t have to worry about setup and configuration, hardware provisions, replication, throughput capacity planning, cluster scaling or software patching.