Q)1. Describe IaaS

ANS - Infrastructure as a service (IaaS) is a type of cloud computing service that offers essential computing, storage, and networking resources on demand, on a pay-as-you-go basis. IaaS lets you bypass the cost and complexity of buying and managing physical servers and data center infrastructure. Each resource is offered as a separate service component, and you only pay for a particular resource for as long as you need it. A [cloud computing service provider](https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/choosing-a-cloud-service-provider/) like [Azure](https://azure.microsoft.com/en-us/resources/cloud-computing-dictionary/what-is-azure/azure-iaas/) manages the infrastructure, while you purchase, install, configure, and manage your own software—including operating systems, middleware, and applications.

Q)2. List the Compute Services available in AWS and GCP.

ANS -

**Compute Services**

|  |  |  |
| --- | --- | --- |
| Services | AWS | GCP |
| IaaS | Amazon Elastic Compute Cloud | Google Compute Engine |
| PaaS | AWS Elastic Beanstalk | Google App Engine |
| Containers | Amazon Elastic Compute Cloud Container Service | Google Kubernetes Engine |
| Serverless Functions | AWS Lambda | Google Cloud Functions |

**Features of AWS**

Important features of Amazon Web Services (AWS) are:

* Total Cost of Ownership is very low compared to any private/dedicated servers.
* Offers Centralized Billing and management.
* Offers Hybrid Capabilities.
* Allows you to deploy your application in multiple regions around the world with just a few clicks.

**Features of Google Cloud**

Important features of Google Cloud are:

* Constantly including more Language & OS.
* A better UI helps you to improve user experience.
* Offers an on-demand self-service
* Broad network access
* Resource pooling and Rapid elasticity