**Azure fundamental assignment 1**

1. What is cloud computing? What is Azure?

Ans:

Cloud computing is the way of providing computing services like, servers, storage, databases, compute power etc over the internet.

Azure is one of the major such Cloud Service Providers(CSP) owned by Microsoft.

1. How to create an Azure account list the steps and requirements?

Ans:

* Goto azure.microsoft.com
* Click on Start here/Sign up. Create a Microsoft Email if not exit.
* Verify Email by entering the code received in the Email
* For Free trial, Enter Basic info like Country, First name, phone no, Organization etc
* Enter the Credit Card details(Even its a Free trial)
* Agree for T&C and Sign up

1. Describe different types of cloud models.

Ans: Two Broad Classification:

* Deployment Model:
  + Public Cloud
  + Hybrid Cloud
  + Private Cloud
* Service Model:
  + Iaas (Infrastructure as a Service)
  + Paas (Platform as a Service)
  + Saas (Service as a Service)

1. Describe different cloud services.

Ans:

Compute instances, Virtual Machines, Storage, Databases, Network, Machine Learning and AI services etc

1. What are some cloud computing advantages?

Ans:

* Very flexible with Pay-as-you-use model.
* No need to buy Hardware
* Resources can be provisioned in a matter of minutes
* Highly scalable with increase in demand

1. Differentiate Capital expenses vs. operating expenses

Ans:

Operating expenses (OpEx) are expenses needed to operate your business on an ongoing basis and appear on the profit and loss statement.

Capital expenses (CapEx) refer specifically to long-term assets purchased as an investment in your business, the benefits of which will last longer than one year.