**Cloud Computing - Business Continuity In The Cloud**

1-How to configure, develop and maintain Security and Privacy in cloud?

Ans: Select a reputable cloud provider, Implement access controls, Encrypt datav, Monitor and audit, Implement identity and access management (IAM), Use secure protocols, Segment networks, Implement incident response. Continuously assess and improve, Educate and train, Use cloud security frameworks, Integrate with on-premises security, Use cloud security tools

2-What is Portability in cloud?

Ans: Portability in Cloud: Portability in cloud refers to the ability to move applications, data, or workloads from one cloud service provider to another, or from a cloud environment to an on-premises environment, without significant modifications or re-architecture.

3-What is Reliability and high Availability in cloud

Ans: Reliability: Reliability in cloud computing refers to the ability of a cloud service or system to consistently perform its intended function without failure over a specified period.

High Availability (HA): High Availability (HA) in cloud computing refers to the ability of a cloud service or system to be operational and accessible 24/7, with minimal downtime or disruptions.

4-Describe Mobility Cloud Computing

Ans: Mobility Cloud Computing: Mobility Cloud Computing is the convergence of cloud computing and mobile computing, enabling the execution of rich mobile applications on a wide range of mobile devices with a seamless user experience.

5-Describe AWS, Azure, Google cloud Platforms

Ans: AWS is the leader in cloud computing, with a broad service portfolio, reliability, and extensive global infrastructure.

A cloud computing platform provided by Microsoft.

A public cloud computing service offered by Google.

6-Accessing AWS, Azure and Google cloud Platforms (any one portal )

Ans: 1.AWS Management Console: The web-based console provides a graphical interface to manage your AWS resources. Sign in with your AWS account credentials to access the console.

2.AWS Command Line Interface (CLI): The CLI allows you to control AWS services from the command line and automate commands through scripts.

3.AWS SDKs: Software Development Kits (SDKs) for various programming languages provide programmatic access to AWS services.

4.Roles: Use IAM roles to grant access to AWS services without sharing your AWS account credentials. Roles define the permissions and access controls for an IAM user or service.

5.Federation: AWS supports federation with other cloud providers, such as Google Cloud, allowing you to use your existing IAM roles to access external services.

7-Create compute, create network, create storage on AWS , Azure and GCP

Ans: Done in Lab

8-Compare Cloud pricing of resources and services on all platform Amazon Web Services (AWS):

Ans: On-Demand Pricing, Reserved Instances, Spot Pricing, Savings Plans, Free Tier