**Musa Haji**

**230701391**

**Microsoft Azure**

Aim:

To set up and use Microsoft Azure for creating, deploying, and managing cloud services like virtual machines, databases, and apps.

Steps:

Create a Microsoft Azure account.

Access the Azure Portal.

Choose a service to deploy (like a Virtual Machine or a Web App).

Configure and launch the service.

Monitor and manage your service through the Azure Dashboard.

Procedure:

Create Azure Account

Go to https://azure.microsoft.com.

Click on "Start Free" to create an account (you may get free credits like $200 for 30 days).

Sign in using your Microsoft ID (Outlook, Hotmail, etc.) or create one.

Enter billing info (you won't be charged immediately if using free trial).

Access Azure Portal

After account creation, visit https://portal.azure.com.

This is your Azure Dashboard, where you manage everything.

Select a Service to Deploy

Click "Create a Resource".

Choose what you want (example: Virtual Machine, App Service, SQL Database).

Configure the Service

Set details like:

Resource name

Region (data center location)

Authentication (password, SSH keys)

Pricing Plan (free or paid, depending on your needs)

Deploy the Service

Review settings.

Click "Create".

Azure will set it up automatically. (It might take a few minutes.)

Manage and Monitor

Use Azure Portal to start, stop, scale, or delete your service.

Monitor resource usage (CPU, Memory, Network) and costs.

Result:

You successfully set up a cloud-based service using Microsoft Azure.