**Challenge-1**

A 3-tier environment is a common setup. Use a tool of your choosing/familiarity create these resources.

Solution: -

Note: - Terraform is used for above problem in which this configuration file is creating these resources: -

**Resource Group**

**Network security group**

**Vnet**

**Availability set**

**Network interface card**

**Virtual machine**

**Load balancer**

**Virtual machine scale set**