### Exercise 01

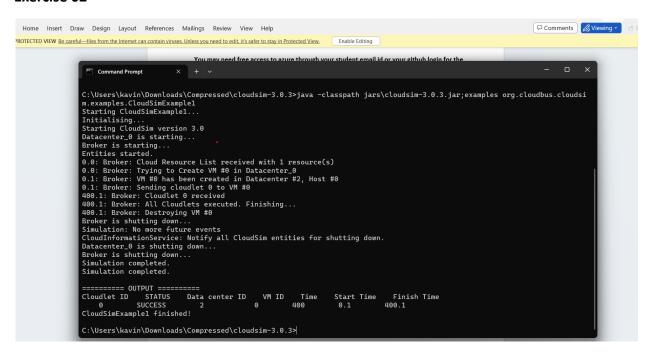
1.Cloud Service Type: The cloud service type used in this exercise is laaS (Infrastructure as a Service).

laaS provides virtualized computing resources over the internet. In this case, you will be provisioning a virtual machine (VM) on Azure and configuring it as a LAMP server.

2.Cloud Architecture: The cloud architecture used here is public cloud.

Public cloud refers to a cloud infrastructure that is owned and operated by a third-party cloud service provider, in this case, Microsoft Azure. The resources and services are shared among multiple users and accessed over the internet.

#### Exercise 02



#### 1.DatacenterBroker:

In CloudSim, a DatacenterBroker represents a broker or an intermediary between cloud service customers (users) and the cloud infrastructure. It acts as a mediator for requesting and provisioning cloud resources on behalf of users. The DatacenterBroker is responsible for managing the lifecycle of Cloudlets.

## 2.Cloudlet:

A Cloudlet represents a task or workload submitted by a user to the cloud infrastructure for execution. It can be considered as a unit of work that needs to be processed by the cloud. Cloudlets have properties such as length (in MI or CPU cycles), required RAM, and required storage.

# 3. Host:

In CloudSim, a Host represents a physical machine or server in the cloud infrastructure. It is responsible for executing Cloudlets and providing computing resources to the cloud users. A Host has attributes such as processing capacity, memory capacity, and storage capacity.