**Distributed Systems**

**Lab 8 – Cloud computing**

**You may need free access to azure through your student email id or your github login for the first exercise.**

1. You may follow the tutorial below to deploy a LAMP server on an Ubuntu virtual machine in Amazon azure cloud. You may need a credit card to activate the azure account.

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/tutorial-lamp-stack>

Name and explain the cloud service type that you are using here (IAAS, PAAS, SAAS). Also, name the Cloud architecture used here (public, private, hybrid). Justify your answers. Use a word document to write your answer.

**Note: Even if you’re unable to create the VM due to restricted cloud access, you may write the answers to the above questions.**

1. Download the CloudSim cloud simulator (v4.0) from the following location. Run an example (refer examples.txt on how to run examples). Copy a screenshots of two example outputs to the same word document that you used in the first exercise. Briefly explain the purpose of using such a simulator. Briefly explain the concepts **DatacenterBroker, Cloudlet** and **Host** used in the simulator. You may refer the CloudSim documentation and source files for this.

<https://github.com/Cloudslab/cloudsim>

**Submission:** Upload the word document with the screenshots and the answers to the two questions. The document should be zipped and the zip file name should be your registration number.