Wajahat Khan

CS-441

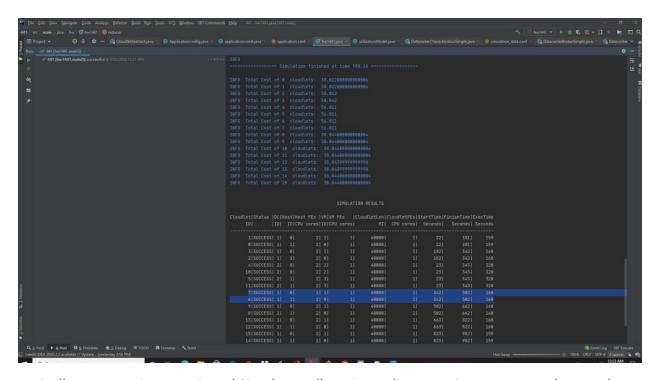
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## CS-441 HOMEWORK # 1

## **Fourth Part**

Here is the output of my two Datacenters both using different configuration and VMallocationpolicy.



Basically we are using BestFit and Simple Vmallocation Policy to assign our VMs to host and to assign cloudlets to VMs I'm using cloudletSpaceShared policy for datacenter 1 and CloudletTimeShared for dataCenter 2. Here we have 4 hosts and 1 broker. We are using mapper and reducer approach to split the work, we are implementing it using 1:1 ration so 1 reducer for each mapper. If we notice cloudlet 4-7 have high cost one of the main reasons here is that we are using different CloudScheduler policies. So, we calculate cost of a cloudlet based on the

length and their completion of time. There are other few factor as well. However, in our situation CloudschedulerSpaceShared turn out to be more efficient as it gives us more cost effective cloudlets. Also, we can always test it by executing more tasks.