CMPE 230 PROJECT#2
BARIN ÖZMEN 2012400045

1.Problem Description: In this project, we are suppose to implement a python program that first create an instantce from amazon ec2 and send all inputs to amazon instance and than topologically sort all programs according to independices(topological sort). After sorting, run all programs one by one and create an output which must be taken from local host.

2.Problem Solution: There are 2 parts in this project which are code for doing topological sort by using python3 and code for creating and transfering data by using python3 again. First part which takes input and run topological sort in python3 is done easily because of already finished c++ and java lessons. It is familiar with these codes only with little differences. Second part which is the hardest one uses again pyhton3 codes to create amazon instance firstly. After that by typing 'scp' to transfer the files from local to amazon instance and 'ssh' to connect the amazon instance and run python from there.

3.Implementation: First part is all implemented easily. But when i come to the second part i coulnd't run the ssh code and run the program from amazon instance. When i tried to run it, there open so many instances at a time so i immidiately shut it down.

This programs first run the topological sort and create and output correctly, than transfer all files to amazon instance and take back only the output file 'out.txt'. The problem is i coulnd't run the program over the amazon instance. Only i do is create and instance and do data tranfer.

4.Conclusion: I am aware that i couldn't done what is neccesary, but i am too close to make it. Unneceserialy, that is all i can do in these days due to exams, jobs and lessons.