CS3205 Assignment A3 README

Roll No: CS18B029
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Files present in the submission:

1) **OSPF.py** (this is the implementation of one router which interacts with others based on the input file,the router can be characterized by its nodeid which is given as command line input)
2) **input.txt , input1.txt** (these are the input files,which contain a graph each along with MINij and MAXij values)
3) **script.sh** (this script is used to launch all the nodes/processes at the same time)
4) **A3Report.pdf**

How to run/analyse this project:

- Simply running **bash script.sh** command on the terminal will launch all the nodes(processes) parallely.
- Each node writes into a unique output file(shortest paths and distances from the other nodes)
- Since the processes are run by threads in infinite loops we need to manually kill all the processes using Ctrl+C in the terminal.
- In case there are still processes running(we can say this if the output file is still being modified) , we kill all the python processes at once using another terminal using this command:
  kill -9 $(ps -A | grep python | awk '{print $1}')