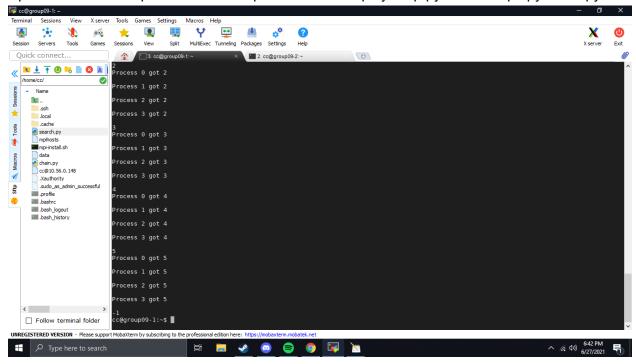
Group Members: Sebastian Klemkosky I did everything for this assignment

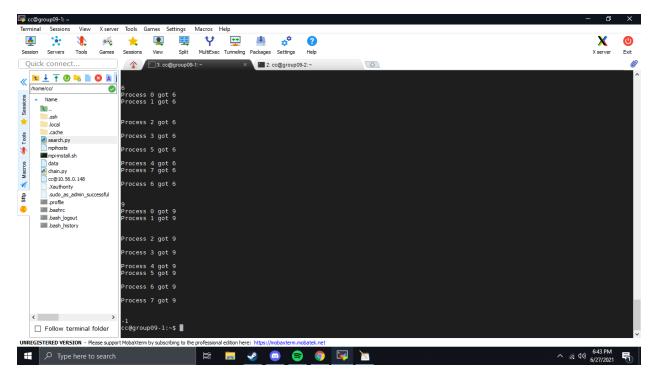
Since it was only me doing this assignment I became much better at coding in python which was something I didn't know that well. Also I learned that in python sometimes you divide things and get a float instead of an integer even if you only integers to perform the operation. Spent a good amount of time trying to figure out why it kept returning a float. Another challenge was my processes would search faster than they could get notified to stop so they would end the program and not output anything yet.

## Running chain.py

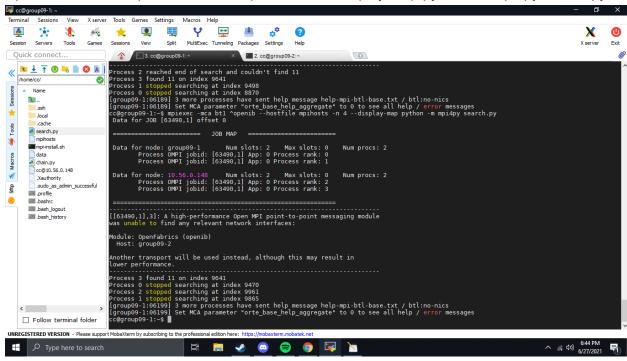
mpiexec -mca bt1 ^openib --hostfile mpihosts -n 4 --display-map python -m mpi4py chain.py



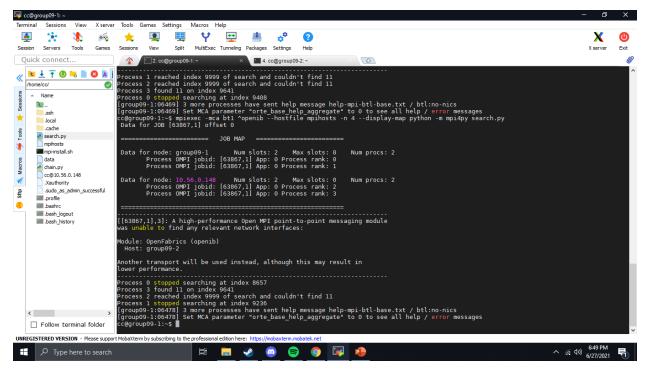
mpiexec -mca bt1 ^openib --hostfile mpihosts -n 8 --display-map python -m mpi4py chain.py



mpiexec -mca bt1 ^openib --hostfile mpihosts -n 4 --display-map python -m mpi4py search.py



mpiexec -mca bt1 ^openib --hostfile mpihosts -n 4 --display-map python -m mpi4py search.py



mpiexec -mca bt1 ^openib --hostfile mpihosts -n 4 --display-map python -m mpi4py search.py