Submit

Please build a folder with your netID in **lowercase**, for example, *abc*123456.

Put all outputfiles (6 files) in the folder and copy the whole folder to TA.

The output files should be the **exactly as same as given**.

Test

There are 2 test datasets: *iris.data*, and *user.data*.

For *iris.data* dataset, $k = 3$ and $r = 20$.

For *user.data* dataset, $k = 4$ and $r = 20$.

Run the following commands:

The *.data* files are the inputs. the *.txt* files are the outputs.

First number is k, second number is r.

python3 lloyd.py iris.data 3 20 irisL.txt

python3 kmeanspp.py iris.data 3 20 irisK.txt

python3 cmeans.py iris.data 3 20 irisC.txt

python3 lloyd.py user.data 4 20 userL.txt

python3 kmeanspp.py user.data 4 20 userK.txt

python3 cmeans.py user.data 4 20 userC.txt