**Here are the steps for run the both program**

**For trapezoidal Rule,**

* You can find get\_data.c and get\_data.o file under hw3 folder.
* You can run that program using below step

1. mpicc -c get\_data.c
2. mpicc –o get\_data get\_data.o
3. qsub –pe mpich 2 run\_get\_data.bash

This will create 4 bash output file which name as run\_get\_data.basho17618, run\_get\_data.bashe17618, Run\_get\_data.bashpo17618.

You can check scheduled job status by qstat –u pshah115.

You can also write mpirun –npernode (Number of processer per node) ./get\_data.

**For Gaussian Elimination using MPI,**

* You can run the gauss elimination file using following code.

1. mpicc -c gauss\_mpi.c
2. mpicc -o gauss\_mpi gauss\_mpi.o
3. mpirun –npernode (number of processor per node) gauss\_mpi 2000

**You can check the Document file where I attached screenshot for the mpi program and for trapezoidal rule too.**