

```
#!/bin/bash
#MSUB -l nodes=1:ppn=1
#MSUB -l walltime=24:00:00
#MSUB -A t20201
#MSUB -N Matlab

# This job's working directory
# echo Working directory is $PBS_O_WORKDIR
cd $PBS_O_WORKDIR

echo ""
module load matlab #load appropriate program

echo Running on host `hostname`
echo Time is `date`
echo Directory is `pwd`
echo This job runs on the following processors:
echo `cat $PBS_NODEFILE`
# Define number of processors
NPROCS=`wc -l < $PBS_NODEFILE`
echo This job has allocated $NPROCS nodes

echo ""
echo =====
echo ""

/software/matlab/r2010b/bin/matlab -nojvm -nosplash -nodisplay < test.m > output.txt #open load
```