

ssh dev-intel10

pwd  
cd /mnt/scratch/  
ls  
cd ~

man qsub

cat .bashrc  
mkdir hpccworkshop  
cd ./hpccworkshop

module list  
module avail  
powertools

module load powertools  
powertools  
getexample  
getexample helloworld

cd ~/hpccworkshop/helloworld  
ls -la  
ls -la > numOfLines  
cat numOfLines  
wc -l \* | sort -n

cd ~/hpccworkshop/helloworld  
ls -la  
chmod u+x minlines  
ls -la  
./minlines

env  
echo \${MACHTYPE}  
export MYVAR="Hello World"  
echo \${MYVAR}

pwd  
\${CC} -O3 -o hello hello.c  
./hello

xeyes  
firefox &  
ps -< Find the process ID ##### for firefox  
kill #####

cd ~/hpccworkshop/helloworld  
nano hello.qsub  
qsub simple.qsub  
showq

qstat -f #####  
showstart -e all #####

## ADVANCED WORKSHOP

module load powertools  
powertools

dev

nano ~/.bashrc

getexample  
getexample blender\_farm  
cd ./blender\_farm  
less blender\_farm.qsub  
qsub blender\_farm.qsub

getexample bowtie  
cd ./bowtie  
less ./bowtie.qsub  
qsub bowtie.qsub

module unload OpenMPI  
module load MVAPICH  
module swap OpenMPI MVAPICH

module load powertools  
getexample helloMPI  
./README

echo \$HOST >> ./hostfile  
echo \$HOST >> ./hostfile  
echo \$HOST >> ./hostfile  
echo \$HOST >> ./hostfile  
mpirun -np 4 -hostfile ./hostfile helloMPI