How to Use Test Frame Lab3

First we obtain the codes using command `wget`.

```
$ cd ~/
$ wget https://www.cs.ucr.edu/~yzhai015/lab3_frame.tar.gz
$ tar -xvf lab3_frame.tar.gz
$ cd ~/lab3
```

Then you should

- Implement `sieve1.c`, `sieve2.c`, `sieve3.c`.

Now you have your codes ready to run. Cong! Now you can run the code by

```
$ module load mpich-3.2.1/gcc-4.8.5
$ cd ~/lab3/build
$ cmake ..
$ make
```

You may find the default gcc version on Tardis is 5.1.0, which seems to be inconsistant with mpi/gcc version. That's OK. You don't have to worry about it as long as there's no compilation error.

Then you want to submit your code with `SLURM`. You just need to do

```
$ cd ~/lab3/script
$ ./submit.sh
```

Now you should wait for a while until ALL of the work is done. You can check whether your jobs are running using command `squeue -u your_net_id`. Please substitute `your_net_id` with your NetID.

After you found ALL of your work is done, you can do post data processing:

```
cd ~/lab3/script/ && ./data.sh
```

Never run `data.sh` unless all of your jobs are complemeted.

After `data.sh` is executed, you can find your ouput in `~/lab3/result/`. You may check your output by type in

```
$ vim ~/lab3/result/final.txt
```