

```
// Write pi3.cu on your laptop, starting from hypi_setdevice.cu
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```
// In a terminal, transfer necessary files from laptop to discovery
```

```
aiichironakano@MacBook-Pro-34 csci596-as06 % sftp anakano@discovery.usc.edu
```

```
sftp> put pi3.cu
```

```
sftp> put pi3.sl
```

```
// In another terminal, compile & run the program on Discovery
```

```
aiichironakano@MacBook-Pro-34 ~ % ssh anakano@discovery.usc.edu
```

```
[anakano@discovery1 ~]$ cd cs596/as06
```

```
[anakano@discovery2 as06]$ module purge
```

```
[anakano@discovery2 as06]$ module load usc/8.3.0
```

```
[anakano@discovery2 as06]$ module load cuda
```

```
[anakano@discovery2 as06]$ nvcc -Xcompiler -fopenmp pi3.cu -o pi3 \  
-I${OPENMPI_ROOT}/include -L${OPENMPI_ROOT}/lib -lmpi -lgomp
```

```
[anakano@discovery2 as06]$ sbatch pi3.sl
```

```
Submitted batch job 26608172
```

```
// In the first terminal (sftp), transfer the output file from Discovery to laptop
```

```
sftp> get pi3.out
```