

Report Labwork 1

Ha Trung Hieu

November 2, 2021

Using OpenMP to run in parallel

- Setup the number of threads with x is the number of:

```
omp_set_num_threads(x);
```

- Add flag **omp** before the for loop

```
#pragma omp parallel for
```

- The result:

```
make -j && ./labwork 1 ../labwork/data/hl3.jpg
```

```
[100%] Built target labwork
```

```
USTH ICT Master 2018, Advanced Programming for HPC.
```

```
Warming up...
```

```
Starting labwork 1
```

```
labwork 1 CPU elapsed 186.0ms
```

```
labwork 1 elapsed 104.0ms
```