COMP5112 - Assignment 3

Package list

- `openmp_dijkstra_skeleton.cpp`: code skeleton for assignment 3
- `serial_dijkstra.cpp`: a serial version of dijkstra algorithm (just for your reference)
- two sets of sample `input/output` files
- `README.pdf`: the readme file

Compile and run:

serial_dijkstra

Compile:

```
$ g++ -std=c++11 -o serial_dijkstra serial_dijkstra.cpp
```

Run:

```
$ ./serial_dijkstra <input file>
```

e.g. `./serial_dijkstra input1.txt`

The output is in the file `output.txt`

openmp_dijkstra_skeleton

Compile:

```
$ g++ -std=c++11 -fopenmp -o openmp_dijkstra openmp_dijkstra_skeleton.cpp
```

Run:

```
$ ./openmp_dijkstra -n <number of threads> -i <input file>
```

e.g. `./openmp_dijkstra -n 4 -i input1.txt`

The output file is `output.txt`