

README

Running and navigating project code

Task 1.1 and 1.2

These are found under the `task1_2` directory. To run simply use the include Makefile.

To run 1.1 run:

```
make
```

To run 1.2 run:

```
make synced
```

and run the executable

```
./task1_2
```

which will compile the corresponding program accordingly.

Task 1.3

This task is under the `task1_3` directory. To run this task simply run the `make` command for the included Makefile.

Task 2

All of task 2's program are under the `task2` directory. Each contains a subdirectory for each subtask: 2.1, 2.2, 2.3 (and its sub tasks) and 2.4.

This is the directory structure for task2 :

```
├─ task2_1
|   ├─ helloworld.c
|   └─ out
├─ task2_2
|   ├─ out
|   └─ task2_2.c
├─ task2_3
|   ├─ out
|   └─ task2_3.c
└─ task2_4
    ├─ out
    ├─ runner.sh
    ├─ task2_4.c
    ├─ task2_4_both.c
    ├─ task2_4_middle.c
    └─ task2_4_out.c
```

To run any of the programs simply go to the corresponding directory and run this command. (We use task 2.4 as an example):

```
gcc -fopenmp -o task2_4 task2_4.c
```

This will generate the right executable.

Run the executable

```
./task2_4
```

Under the task2_4 directory is also included a `runner.sh` bash script that can be used to run a program in batches of thread counts.

Task 3

Task 3 is under the the `task3` directory. To compile run

```
gcc -fopenmp -o task3 task3.c
```

and run the executable

```
./task3
```