Specific Submission Guidelines:

1. Please submit your assignment as *username*.zip
2. Root directory should include OpenMP, MPI, and OpenMP_MPI (for extra point only) directories. Folder name should be as indicated above.
3. Each directory must contain a Makefile and the source files (e.g. OpenMP.c, MPI.c, and OpenMP_MPI.c)
4. Name of the executable file (after running make command), should be as same as *.c file (e.g. for OpenMP.c file, the executable -o file should be named as OpenMP)
5. For each program, when <-t problem size> arguments are passed, it should print out the results and execution time. For example, when running   ./OpenMP -t 100 it should print out the sorted result for problem size 100 on standard output along with execution time.
6. Submit your report as *username*.pdf.

7. In your report, please include execution time for the following cases.

Program	Number of cores	Problem size
OpenMP	1 node 2 task-per-node	100,000
OpenMP	1 node 2 task-per-node	1,000,000
OpenMP	1 node 8 task-per-node	1,000,000
MPI	1 node 2 task-per-node	100,000
MPI	1 node 2 task-per-node	1,000,000
MPI	2 node 8 task-per-node	1,000,000
OpenMP_MPI	1 node 2 task-per-node	100,000
OpenMP_MPI	1 node 2 task-per-node	1,000,000
OpenMP_MPI	2 node 8 task-per-node	1,000,000

You should also include other experiment cases in your report.

Note: username in this context is your UB username, and the other file names should be followed exactly as stated.