# Report and Grading

Turn in your reports including:

* Cover page
  + Title, Name, Student ID, Date
* Design
  + Briefly describe the structure/algorithm and the parallelism of your program in diagrams, figures and sentences.
* Test solution
  + Describe how to compile and run your program
  + Correctness test
  + Parallel scalability test
    - Strong scalability
    - Weak scalability
    - More useful experiment results and figures(e.g. I/O, computing and communication time & speed-up)
* Analysis and Discuss
  + Analysis and discuss the results in detail. Give a reasonable explanation by data instead of guess.
  + If constructing a performance model or more discussing about parallel algorithm performance analysis, you can get a high score.

Turn in your source code including:

* Serial code
* Parallel code
  + OpenMP code
  + MPI code
  + MPI+OpenMP code (optional)
  + Other code(optional)
* Makefile
* Running scripts