Overview

1. Warming up (15 min)

- Sign-in & Attendance.
- Review of last week.
- * Explain MinGW's artifacts for long double printing.
- Review of Homework#1.

2. Tools teaching – Git with GitHub (15 min)

- Review of local operations: init, status, add, commit, diff, log.
- Connecting your local Git with GitHub (using git-credential-helper).
- Version Control + Cloud Backup + Multi-developer cooperation
- Remote Git operations: clone, push.

3. Main Session #1 (50 min)

- Learn control flow with GDB. (<15 min)
- Pointers and arrays. (35 min)

4. Main Session #2 (40 min)

- Preprocessor Directives.
- Introduction to macro basics.

5. Bonus Application (0 min)

- Today we will not spend time on bonus applications (due to the heavy workload). Interested students may help themselves with the materials in the class Git repository or contact TAs for detailed instructions.

Supplementary Materials

- Caching your GitHub credentials in Git | GitHub Official Documentation
- Should switch fall-through be allowed? | Stackoverflow

wuyh32023@shanghaitech.edu.cn
dinglin12022@shanghaitech.edu.cn