Source code version control system (VCS)

Overview
Source code version control system (VCS)

- Or software versioning system
- Git is a fast, distributed version control system used for storage and maintenance of your source code
In the real world, we use VCS (Git) ...

- When we work in team and want to share our code with the other team members
  - See the left hand section of the diagram on Slide 5
- Workflow when we are working in a team:
  - Get a copy (git pull) of the Git repo at the beginning of our work session (or day)
  - Develop and test our code on our local repo
  - Submit our code (git push) to the Git repo at the end of our work session (or day)
  - Git then merges all the code pushed by each team member into a new version of the project code and stores it onto the Git repo
In CMPT 127, we use VCS (Git) ...

- Because we want to share our code with the CMPT 127 grading robots
  - See the right hand section of the image on next slide
Git Lab Basic – from Lab 0