

Integrated Development Environments

A rich context for software development

- Gives feedback as you write your code
 - Auto-completion, error messages, formatting & coloring
- Assists in understanding code and making changes
 - Jump to definition
 - Change all instances of something
- Handles most tasks around programming
 - Compiling, testing, debugging, version control, packaging

Examples: Eclipse, IntelliJ, VisualStudio, XCode



Version Control

An indispensable software engineering tool

- Teamwork
 - Concurrently develop
 - Share work coherently
- Solitary work
 - Personal audit trail and time machine
 - Establish when a bug was introduced
 - Fearlessly explore new ideas (roll back if no good)



Git & GitLab







