What are Integrated Development Environments?

- Combines editor, project management, compiler, debugger, etc. into one program.
- Commonly used on Windows (and OS X, to a lesser extent).
- Usually feature code completion.
- Provide a build management system for complicated projects.
- Some come with graphical tools for building GUIs.

Building with Geany

- ▶ [f9] Builds the project
- ▶ [f5] Runs the project
- ▶ [f8] Builds only the current file

Note: Build is broken for multi-file projects.

Project ⟩ Properties ⟩ Build Change `g++ -Wall -o "%e" "%f"` to

`g++ -Wall -o "%e" "*.cpp"` .

Writing code with Geany

- Ctrl + t Go to function implementation.
- Ctrl + space Show completions.
- Edit ⟩ Preferences ⟩ Editor ⟩ Indentation Change 'Type' to 'Spaces'.
- You can auto-close brackets and parentheses as well.

Building with CodeBlocks

- `f9` Build and run
- `Ctrl` + `f9` Build
- `Ctrl` + `f10` Run
- `Project` ⟩ `Build Options` Enable `-Wall`

Writing code with Code::Blocks

- `Ctrl` + `.` Go to function implementation.
- `Ctrl` + `⇧` + `.` Go to function declaration.
- `Ctrl` + `space` Show completions.
- Right-click on a file and choose 'Format this file' to autoformat.