

# Resources for Qt Creator

Updated for Fall Quarter 2021 by Julie Zelenski, Winter/Spring 2022 updates by Neel Kishnani



Students in the CS106B/courses use **Qt Creator** to write C++ programs. Qt Creator is an *integrated development environment* (IDE) with tools to edit, build, run, and debug programs.

## Installing Qt Creator

We have prepared installation guides for each operating system, choose the one for your computer.

- Install [Qt Creator on Mac OS X](#)
- Install [Qt Creator on Windows](#)
- Install [Qt Creator on Linux](#)

This will guide you through downloading and installing Qt and other necessary tools, as well as configuring the CS106-specific package. Please follow the instructions carefully and do not skip steps. In the final step, you will do a build and run cycle on a sample project. If you have successfully done this, your installation is good to go!


### If you have a previous version Qt installed

We strongly recommend that you **uninstall any previous version** and make a fresh install following the instructions above. The minimum required version of Qt as of Fall Quarter 2021 is **Qt 6.1.0**.

- To uninstall Qt, run **MaintenanceTool** from your **Qt** folder. Check the box "Uninstall only" on the first pane and follow the instructions.

## Using Qt Creator

Here are some guides on using these tools.

- [Quick guide to Qt Creator](#)
- This  [blank project](#) is a template for creating a new CS106 project
- [Configuring the Qt debugging helper](#)
- [Recommended Qt Creator settings](#)
- [Troubleshooting common Qt Creator project problems](#)
- [Common build/run/debug issues](#)
- [Debugger tutorial](#) from CS106B Assignment 0