## QT & C++

**Install QT and pre-requisites:**

WINDOWS: Download and install QT Creator (install in C:\\Qt)

<https://www.qt.io/download>

WINDOWS: Add qmake to environment variables

# locate your qmake.exe

C:\Program Files\Microsoft SQL Server\140\PYTHON\_SERVER\Library\bin

Check that qmake is installed and which version is being used

qmake -v

If successful, you should see the following:

A close up of a logo

Description automatically generated

WINDOWS: Install g++ and add to environment variables

<http://www.cs.utah.edu/~alee/g++/g++old.html>

Assuming the following file structure…

./

├── main.cpp

└── main.h

And assuming terminal application (no qt) Compile using the following:

g++ -c -ansi -pedantic -Wall .\main.cpp -I main.h ; g++ main.o; ./a.exe

**Lesson 1**

How to read UML diagrams:

A close up of a logo

Description automatically generatedA screenshot of a cell phone

Description automatically generated