

## ***Create and use a static library using the gnu compiler***

### **GNU (version 3.4.2) on Windows**

#### **Create the library**

`g++ -Wall fraction.cpp -c`                      ← compile (only) the source file(s)

`ar rs fraction.lib fraction.o`                ← create library using object files

#### **Use the library**

`g++ fraction_main.cpp -Wall -I/deanza/cis52g/libs -L\deanza\cis52g\libs -lfraction -o fraction.exe`

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### **GNU (version 4.3.2) on Linux**

#### **Create the library**

`g++ -Wall fraction.cpp -c`

`ar rs libfraction.a fraction.o`

Note: in UNIX/Linux library files are often prefaced with “lib” and have a “.a” extension

#### **Use the library**

`g++ fraction_main.cpp -Wall -I/deanza/cis52g/libs -L\deanza\cis52g\libs -lfraction -o fraction.exe`