Try again once you are ready.

Required to pass: 80% or higher

You can retake this quiz up to 3 times every 8 hours.

Back to Week 3

Retake

✔ 1 / 1 point

1. GCC stands for:

- (●) GNU Compiler Collection

Correct
This is the correct answer

- ( ) Great Computer Compiler
- ( ) Geneva Computation Corporation
- ( ) GNU Compiler for C

✖ 0 / 1 point

2. A good choice of compiler options for day-to-day use would be:

- ( ) **gcc -M -H -O3 -E program.c**
- (●) **gcc -Wall -I /tmp/include -L /tmp/lib program.c**

This should not be selected
Use of **-I** and **-L** options is not a uniform choice

- ( ) **gcc -O2 -Wall -pedantic program.c**
- ( ) **gcc -O0 -Wall -ansi program.c**

✔ 1 / 1 point

3. Why might you choose to link your program statically, rather than use a shared library version?

- (●) The static program will not use new versions of shared libraries as they become available, and thus may avoid breakage and bugs

Correct
Yes, some bugs can be avoided

- ( ) The static program need not have an open source license, while the shared library version cannot be closed source
- ( ) The static program will load and execute more quickly
- ( ) The static program will use less memory

✖ 0 / 1 point

4. To find the shared libraries used by **/usr/bin/cp** you can do (Select all answers that apply):

- [■] **gcc -ldd /usr/bin/cp**

This should not be selected
gcc cannot do this, there is no **-ldd** option

- [ ] **ldd $(which cp)**

This should be selected

- [ ] **find -libso /usr/bin/cp**

Un-selected is correct

- [ ] **ldd /usr/bin/cp**

This should be selected

✖ 0 / 1 point

5. Which statements are true (Select all answers that apply):

- [■] Applications can load faster when using shared libraries

Correct
If the relevant data is already in memory it need not be loaded again

- [ ] Use of shared libraries can cause bugs because the application may conflict with the new library version

This should be selected

- [ ] Use of shared libraries enables applications to stay up to date with new library features without being recompiled

This should be selected

- [ ] Use of shared libraries saves memory

This should be selected