

1. GCC stands for:

Ans: GNU Compiler Collection

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

Ans: gcc -O2 -Wall -pedantic program.c

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

Ans: The static program will not use new versions of shared libraries as they become available, and thus may avoid breakage and bugs

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

Ans:

- ldd \$(which cp)
- ldd /usr/bin/cp

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

Ans:

- Use of shared libraries can cause bugs because the application may conflict with the new library version
- Applications can load faster when using shared libraries
- Use of shared libraries saves memory
- Use of shared libraries enables applications to stay up to date with new library features without being recompiled