

- a) Why are `exit` and `cd` handled as built-in commands and no child processes are forked? What would happen if you forked children for these commands?
 - a. These commands are handled without forking because they are actions that should be happening to the parent instead of to a child. For example, typing “`exit`” and having it fork would just cause the parent to fork and the child instantly exits which does nothing. Likewise, “`cd`” would change the directory of the child, but the user wants to change the directory of the parent.
- b) Why should you use `killpg(getpid(), SIGTERM);` before `main()` exits?
 - a. This line is necessary in the event the parent wants to exit before the children are done. If this line was not present, the children would have never been fetched and would become zombies. This line kills any children still running so the parent process can safely exit.