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Class: CS344-001
Assignment #1

2. Revision control systems allow developers to track changes in their code as it is developed. They are useful because they allow the developer to revert the code of a program to a previous state if a bug has been introduced or for any other reason they wish. In addition many RCV's allow developers to create 'branches' in their code if they want to make changes to the source code of a project but don't want to affect the code that everybody on the project is using.

       a) git- commit, push, pull
       b) rcs- rcsdiff, ci, co
       c) svn- checkout, commit, log
       d) Mercurial- commit, diff, push

3. Redirection allows the user to capture output from either *stdin, stdout,* or *stderr* and send it to another file, stream, script, etc. In the case of the *stdin* stream, input can be redirected from a source other than the keyboard.

       Piping allows the user to redirect output from a program to the input of another program.

4. find . -type f -exec file '{}' \;

5. *make* allows a programmer to specify how a source file or group of source files are compiled using a special syntax unique to *make*. It is a useful utility because it allows a developer to compile a large project without having to compile each file by hand (which would be incredibly redundant). Instead, a simple *make* invocation on the command line will build the entire project according to the rules specified in a file named Makefile in the directory where *make* is invoked.