

Question 1:

(a) The files which are regenerated are:

- mp3main.o
- mp3utils.o
- mp3codec.o

because mp3main.c, mp3utils.c, and mp3codec.c are all dependent on mp3.h and will be recompiled.

(b) The newheader.h file should be put in the mp3utils.o line in the make file, as mp3utils.c is where the constants are used and where the line "#include newheader.h" would be located.

(c) Running "make clean" will remove all ".o" object files, the executable "mp3codec", and mp3utils.c. As a result, subsequent compilations of your code will not have the required mp3utils.c file nor the object files. Regenerating the object files and executable can be done by re-running the make file, but the mp3utils.c will not be recovered.