Lab Work week 4

Part 1:
Create a basic daemon following the steps and code examples from the lecture notes. Implement this following the steps and try to see the changes that differentiate a daemon from a general process.

Part 2:
Create a C program that can compare two times and countdown to a specific time. (ie like an alarm clock!!).

Hints:
time_t now;
struct tm newyear;

newyear = *localtime(&now);
// set the hours min and sec for the timestamp above
newyear.tm_hour = 20;
newyear.tm_min = 45;
newyear.tm_sec = 0;

seconds = difftime(now,mktime(&newyear));

While loop with sleep(1)

Part 3:
Create a C program to change the permissions of a file

Hint:
chmod (buf,i)

Part 4:
Create a daemon to change the permissions of a folder to 000 at a specific time every day, and to change the permissions to 777 at another time. Eg set to 777 at 9am and set to 000 at 5pm.