**OPERATING SYSTEM**

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Q. Write a C program to list all the files that have been created after a certain date. Inputs to the program : directory and date

CODE:

#include <stdio.h>

#include <stdlib.h>

#include <dirent.h>

#include <sys/stat.h>

#include <time.h>

int main () {

DIR \*d;

struct dirent \*dir;

struct stat stats;

struct tm dt;

char dirname[256];

printf("Enter directory ('.' for current directory): "); fflush(stdout);

scanf("%s", dirname);

d = opendir(dirname);

int dd, mm, yyyy;

printf("Enter date: "); fflush(stdout);

scanf("%d", &dd);

printf("Enter month: "); fflush(stdout);

scanf("%d", &mm);

printf("Enter year: "); fflush(stdout);

scanf("%d", &yyyy);

if (!d) {

printf("Error opening directory!");

exit(0);

}

while ((dir = readdir(d))) {

if (stat(dir->d\_name, &stats) == 0) {

dt = \*gmtime(&stats.st\_ctime);

int d = dt.tm\_mday;

int m = dt.tm\_mon+1;

int y = dt.tm\_year + 1900;

if (yyyy < y)

printf("File: %s\n", dir->d\_name);

else if (yyyy == y && mm < m)

printf("File: %s\n", dir->d\_name);

else if (yyyy == y && mm == m && dd < d)

printf("File: %s\n", dir->d\_name);

}

else

printf("Couldn't read file properties of file: %s", dir->d\_name);

}

closedir(d);

return 0;

}

**OUTPUT:**

