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Write a c program to list all the files that have been created after a certain date

Code:

```
#include <stdio.h>
#include <sys/stat.h>
#include <time.h>
#include <stdlib.h>
#include <unistd.h>
#include <dirent.h>

int main()
{
    DIR *d;
    struct dirent *dir;
    struct stat st;
    struct tm date;

    char dirname[200];
    printf("Enter directory or . for current ");
    scanf("%s", dirname);
    d = opendir(dirname);

    if (!d)
    {
        printf("Error opening directory!");
        exit(0);
    }

    int dd, mm, yyyy;
    printf("dd ");
    scanf("%d", &dd);
    printf("mm ");
    scanf("%d", &mm);
    printf("yyyy ");
    scanf("%d", &yyyy);

    while ((dir = readdir(d)))
    {
        if (stat(dir->d_name, &st) == 0)
        {
            date = *gmtime(&st.st_ctime);
            int d = date.tm_mday;
            int m = date.tm_mon;
            int y = date.tm_year + 1900;
            if ((yyyy <= y) && (mm <= m) && (dd < d))
                printf("%s\n", dir->d_name);
        }
    }
}
```

```

        else if ((yyyy <= y) && (mm < m))
            printf("%s\n", dir->d_name);
        else if (yyyy < y)
            printf("%s\n", dir->d_name);
    }
}
closedir(d);

return 0;
}

```

Output:

```

PS C:\Users\adith\Documents\Assignments\4th Sem\OS> cd "c:\Users\adith\Documents\Assignments\4th Sem\OS"
Enter directory or . for current .
dd 1
mm 1
yyyy 2022
.
..
3-1.c
3-1.exe
3-2.c
3-2.exe
Name.docx
OS Assignment Unit 1.docx
PES1UG20CS621 ADITHYA M.pdf
pes1ug20cs621-adithya-m-b1dbf741-3c7b-459c-9aa4-34857ce158d1-certificate.pdf
PES1UG20CS621_Adithya M 2.docx
PES1UG20CS621_Adithya M 3.pdf
PES1UG20CS621_Adithya M.docx
PES1UG20CS621_Adithya M.pdf
~$Name.docx

```