

Sep. 11, 2014

Course 60-256
Instructor Dr. B. Boufama
Assignment 01
Due date Monday Sep. 22, 10am

Modify the C program given on slide 12 of chapter 1 to obtain a program, called **findFile**, to find a file/directory in a given directory. In particular, your program

- takes an optional target directory argument and a "file name" to look for.

Synopsis: `findFile [targetDirectory] <fileName>`

Call examples:

findFile /usr/include/ stdio.h: search for **stdio.h** in /usr/include/

findFile labs: search for **labs** in current directory

- look in the target directory for the "file name" and, if found, prints a line with the name found followed by either "this is a file" or "this is a directory".

Hints:

- All system calls needed to solve this problem are in the example myLs.c, that we have seen in class.
- You can use the **opendir()** system call to distinguish between a regular file and a directory. If the item is a regular file, then the **opendir()** system call will return **NULL**.
- Ignore the two special directories **.** and **..**

Notes:

1. The assignment should be e-mailed to sood111@uwindsor.ca
2. Consulting by the TAs is provided in the Java Lab, check their schedule on <http://boufama.myweb.cs.uwindsor.ca/256/>
3. Solutions and marks for the assignments will be posted on the course web.