

Course        COMP-2560  
Instructor    Dr. B. Boufama  
Assignment    01  
Due date      January 26, 11.59pm

January 14, 2025

Modify the C program below so that it adds a trailing slash to the printed directory names. In other words, after printing the name of the file/directory, the program should check whether it is a directory or a regular file and, if it is a directory, it prints "/" right after the name.

```
#include <stdlib.h>
#include <sys/types.h>
#include <dirent.h>
#include <stdio.h>

int main(int argc, char *argv[]){
    DIR *dp;
    struct dirent *dirp;

    if(argc==1)
        dp = opendir("./");
    else
        dp = opendir(argv[1]);

    while ( (dirp=readdir(dp)) != NULL)
        printf("%s\n", dirp->d_name);

    closedir(dp);
    exit(0);
}
```