

3) WRITE A PROGRAM THAT WILL CATEGORIZE ALL THE FILES IN THE CURRENT FOLDER BASED ON THE FILE TYPE .THAT IS ALL .TXT FILES IN ONE FOLDER .THE ARGUMENT TO THE PROGRAM IN A FOLDER NAME.

```
#include<stdio.h>
#include <dirent.h>

int main(void)
{
    struct dirent *de; // Pointer for directory entry

    // opendir() returns a pointer of DIR type.
    DIR *dr = opendir(".");

    if (dr == NULL) // opendir returns NULL if couldn't open directory
    {
        printf("Could not open current directory" );
        return 0;
    }

    // Refer http://pubs.opengroup.org/onlinepubs/7990989775/xsh/readdir.html
    // for readdir()
    while ((de = readdir(dr)) != NULL)
        printf("%s\n", de->d_name);

    closedir(dr);
    return 0;
}
~
~
~
~
~
~
```