# HW 2: mv

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Assigned: October 1, 2018 **Due: 11:59pm October 9, 2018** 

- Write a version of **mv** that accept two arguments.
  - o The first argument must be the name of a file.
  - The second argument may be the name of a file or the name of a directory.
  - If the destination is the name of directory, then mv moves the file into that directory.
     Otherwise mv renames the file if possible (if there is a file with the same filename, it should print an error message)

#### <Pre><Pre>cautions!!>

- Submit a source code (hw2\_StudentID.c) to the LMS (lms.knu.ac.kr)
- If you use the wrong name, NO grade will be given. ex) If your student number is '2014123123', your file name should be hw2\_2014123123.c

[How to execute it]

// rename file

\$ /hw2\_2014123123 file1 file2

// move file

\$ /hw2\_2014123123 file1 /dir1

[We will test your program with the following sequence]

```
// Assumption
// 1. Your filename is hw2_studentID.c (example: hw2_2014123123.c)
// 2. There is a file named "file1" in the current directory.
// 3. There is a file named "file2" in the current directory.
// 4. There is a directory named "dir1" in the current directory.
// The following execution must have NO errors and work correctly!
$ gcc -o hw2_2014123123 hw2_2014123123.c
$ cat file1
"file1"
$ cat file3
cat: file3: No such files or directory
$ ls −l
                                   64B Oct 1 12:43 dir1/
drwxr-xr-x 2 seokin staff
-rw-r--r-- 1 seokin staff
                                    9B Oct 1 12:44 file1
-rw-r--r-- 1 seokin staff
                                    6B Oct 1 12:43 file2
$ ./hw2_2014123123 file1 file3
$ ls -l
drwxr-xr-x 2 seokin staff
                                   64B Oct 1 12:43 dir1/
-rw-r--r-- 1 seokin staff
                                    6B Oct 1 12:43 file2
-rw-r--r-- 1 seokin staff
                                    9B Oct 1 12:44 file3
```

## \$ \( \text{/hw2} \) 2014123123 file3 file2

file2: already exist.

\$ 1s -1

```
drwxr-xr-x 2 seokin staff 64B Oct 1 12:43 dir1/
-rw-r--r-- 1 seokin staff 6B Oct 1 12:43 file2
-rw-r--r-- 1 seokin staff 9B Oct 1 12:44 file3
```

\$ ./hw2\_2014123123 file3 dir1

\$ ls -l

```
drwxr-xr-x   3 seokin staff     96B Oct   1 12:45 dir1/
-rw-r--r--   1 seokin staff     6B Oct   1 12:43 file2
```

\$ ls -1 dir1

```
-rw-r--r-- 1 seokin staff 9B Oct 1 12:<u>4</u>4 file3
```

\$ cat ./dir1/file3

"file1"

### **Late Day Policy**

All homeworks are due at 11:59pm on the due date. A grading penalty will be applied to late assignments. Any assignment turned in late will be penalized 50% per late day.

#### **Plagiarism**

<u>No plagiarism will be tolerated</u>. If the assignment is to be worked on your own, please respect it. If the instructor determines that there are substantial similarities exceeding the likelihood of such an event, he will call the two (or more) students to explain them and possibly to take an immediate test (or assignment, at the discretion of the instructor) to determine the student's abilities related to the offending work.