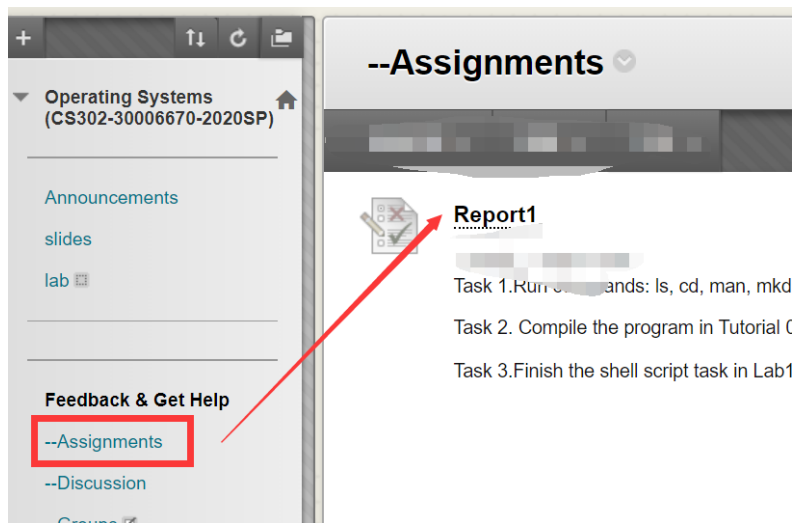


OS Report Submission Guide

About Submission Method



About Shell Script

Test format: `./lab1-xxxx.sh parameter1 parameter2`

- `parameter1` is the target directory, which could be an **absolute path** or a **relative path**. It may contain special characters, such as blank, "\$", "*", etc.
- `parameter2` is the output file path, which could be an **absolute path** or a **relative path**. The file path may not exist, you need to create it in this case. And also the file path may contain special characters too. You should write your results to this file, because we need use script to compare your result with the standard answer.

Result format:

- all the paths must be absolute.
- use one blank line to separate the two information block. If a directory is empty, you also should list its name by [name].
- file/directory should be listed in dictionary order.

Notice:

- The hidden file/directory is not in the scope our test cases, so you needn't process it.
- The link file/directory is not in the scope our test cases, so you needn't process it.

Example:

The tree structure of input:

```
→ hw_1 git:(master) X tree test_dd
test_dd
├── a b
│   └── z z $ z.txt
├── d_1
│   ├── aa
│   ├── d_1_1
│   │   └── f_1_1_1
│   ├── d_1_2
│   ├── file1
│   └── file2
└── d_2
    ├── d_2_2
    │   └── f_2_2
    └── f_2_2_2

7 directories, 6 files
```

Output:

```
→ hw_1 git:(master) X cat output.file
[test_dd]
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/a b
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_2

[a b]
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/a b/z z $ z.txt'

[d_1]
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1/aa
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1/d_1_1
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1/d_1_2
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1/file1
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1/file2

[d_2]
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_2/d_2_2
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_2/f_2_2

[z z $ z.txt']

[d_1_1]
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_1/d_1_1/f_1_1_1

[d_1_2]

[d_2_2]
/home/franklin/Syncing File/cs302_19_spring/hw_1/test_dd/d_2/d_2_2/f_2_2

[Directories Count]:7
[Files Count]:6
```

About Report:

- For -o0 -o1 problem, you need to analysis the assembly code and explain the difference of two optimization level, instead of just pasting your screenshot.
- Conclusion part want you conclude the knowledge/experience when you finish lab1 homework, it depend on yourself. This part doesn't count, but this is a good way to sum up and improve yourself.

Appendix:

Possible Path Format:

absolute path	relative path
/home/student1/test_dir	test_dir
	../test_dir
	../../test_path/test_dir
	./
	test_dir/