```
Madelines-MacBook-Air-3:~$ cd Desktop/PhD/BINF2111/F24/Labs
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ ls
Lab10  Lab11  Lab12  Lab2   Lab3   Lab4   Lab5   Lab6   Lab7   Lab8   Lab9
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ mkdir Lab1
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ ls -a
.          Lab10    Lab12    Lab3    Lab5    Lab7    Lab9
..         Lab1     Lab11    Lab2    Lab4    Lab6    Lab8
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ cd Lab1
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ pwd
/Users/madelinebellanger/Desktop/PhD/BINF2111/F24/Labs/Lab1
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ touch file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls
file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls -alh
total 0
drwxr-xr-x   3 madelinebellanger   staff      96B Aug 13 14:33 .
drwxr-xr-x  15 madelinebellanger   staff     480B Aug 13 14:32 ..
-rw-r--r--   1 madelinebellanger   staff       0B Aug 13 14:33 file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls -thor total 0
-rw-r--r--  1 madelinebellanger       0B Aug 13 14:33 file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ echo "hello"
hello
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ echo "hello" > file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ cat file.txt
hello
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ echo "hello world" > file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ more file.txt
hello world
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ echo "hello student" >> file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ cat file.txt
hello world
hello student
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls -thor
total 8
-rw-r--r--  1 madelinebellanger      26B Aug 13 14:34 file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ wc file.txt
       2       4      26 file.txt
Madelines-MacBook-Air-3:    ~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ wc -l file.txt
       2 file.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ mv file.txt file1.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls
file1.txt
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ mv file1.txt ../
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ cd ../
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ ls
Lab1   Lab11    Lab2    Lab4    Lab6    Lab8       file1.txt
Lab10  Lab12    Lab3    Lab5    Lab7    Lab9
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ mv file1.txt Lab1
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ ls
Lab1  Lab10 Lab11 Lab12 Lab2  Lab3  Lab4  Lab5  Lab6  Lab7  Lab8  Lab9
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs$ cd Lab1
Madelines-MacBook-Air-3:~/Desktop/PhD/BINF2111/F24/Labs/Lab1$ ls
file1.txt
```

Annotations (right side):

- Move into my 2111 Labs directory using the **cd** command. Your paths won't be the same!
- List everything in the Labs folder using the **ls** command.
- Make a new directory called "Lab1" using the **mkdir** command.
- List ALL of the items in the Labs folder to confirm the Lab1 directory was made. Use the **ls** command with the **-a** flag.
- Move into the Lab1 directory using the **cd** command.
- Print the current working directory using the **pwd** command.
- List the items in the Lab1 directory using the **ls** command (notice nothing is there!).
- Create an empty file called **file.txt** using the **touch** command.
- List the items in the Lab1 directory using the **ls** command (notice file.txt is there, but empty!).
- List all of the items in the Lab1 directory, in long, human readable format using the **ls** command with the **-alh** flags.
- List the items in the Lab1 directory in a different method than before using the **ls** command with the **-thor** flags.
- Print "hello" on the screen using the **echo** command.
- Print "hello" into file.txt using the **echo** command and the **>** operator.
- Print out file.txt using the **cat** command. Notice "hello" prints out on the screen.
- Print "hello world" into file.txt using the **echo** command and the **>** operator.
- Print out file.txt using the **more** command. Notice "hello world" is the only thing that prints out, not "hello" and "hello world".
- Append "hello student" to file.txt by using the **echo** command and the **>>** operator.
- Print out file.txt using the **cat** command. Notice "hello world" and "hello student" prints out on the screen.
- List the items in the Lab1 directory using the **ls** command with the **-thor** flags. Notice file.txt is no longer empty!
- Get the line, word, and byte counts for file.txt using the **wc** command.
- Get just the line count for file.txt using the **wc** command and the **-l** flag.
- Rename file.txt to file1.txt using the **mv** command.
- List the items in the Lab1 directory to confirm the name change using the **ls** command.
- Move file1.txt to the parent directory (Labs) using the **mv** command and **../**
- List the items in the Lab1 directory to confirm the move using the **ls** command.
- Move to the parent directory (Labs) using the **cd** command and **../**
- List the items in the Labs directory to confirm the move using the **ls** command. Notice file1.txt is now here!
- Move file1.txt back to the Lab1 directory using the **mv** command.
- List the items in the Labs directory to confirm the move using the **ls** command.
- Move to the Lab1 directory using the **cd** command.
- List the items in the Lab1 directory to confirm the move using the **ls** command.