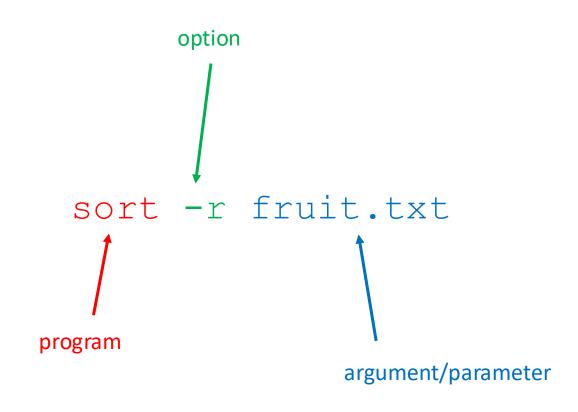
Introduction to the command line

sort -r fruit.txt



```
option
 sort -r fruit.txt > sortedfruit.txt
program
                  argument/parameter
```

```
sort -f -r fruit.txt
sort -fr fruit.txt
sort -rf fruit.txt
sort --reverse --ignore-case fruit.txt
```

```
fastp --in1 ERR5386380_1.fastq.gz --in2
ERR5386380_2.fastq.gz --out1
ERR5386380_1.trimmed.fastq.gz --out2
ERR5386380_2.trimmed.fastq.gz --
length_required 40 --cut_front --cut_tail --
cut_mean_quality 25
```

```
fastp --in1 ERR5386380_1.fastq.gz --in2
ERR5386380_2.fastq.gz --out1
ERR5386380_1.trimmed.fastq.gz --out2
ERR5386380_2.trimmed.fastq.gz --
length_required 40 --cut_front --cut_tail --
cut_mean_quality 25
```

```
fastp --in1 ERR5386380_1.fastq.gz --in2
ERR5386380_2.fastq.gz --out1
ERR5386380_1.trimmed.fastq.gz --out2
ERR5386380_2.trimmed.fastq.gz --
length_required 40 --cut_front --cut_tail --
cut_mean_quality 25
```

```
fastp --in1 ERR5386380_1.fastq.gz --in2
ERR5386380_2.fastq.gz --out1
ERR5386380_1.trimmed.fastq.gz --out2
ERR5386380_2.trimmed.fastq.gz --
length_required 40 --cut_front --cut_tail --
cut_mean_quality 25
```

```
fastp --in1 ERR5386380_1.fastq.gz --in2
ERR5386380_2.fastq.gz --out1
ERR5386380_1.trimmed.fastq.gz --out2
ERR5386380_2.trimmed.fastq.gz --
length_required 40 --cut_front --cut_tail --
cut_mean_quality 25
```

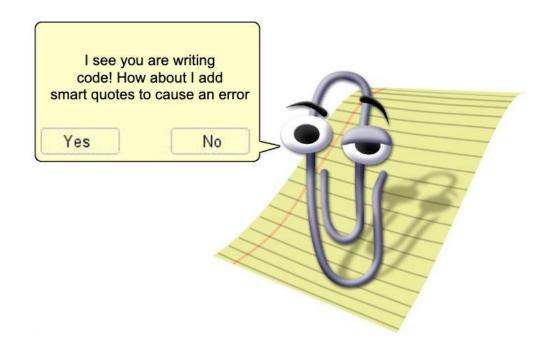
- The command line is case-sensitive!
 - −S is not the same as −s
- Your filenames must be exactly correct

```
ERR10741_1.fastq.gz is not the same file as ERR10741-1.fastq.gz or ERR10741_I.fastq.gz
```

- Files will be over-written without warning by the my and cp commands
 - Did you type mv a.txt b.txt? If b.txt exists already it will be overwritten
 - Double-check your commands
 - The `-i' option will ask you before overwriting
 - The `-n' option will stop you overwriting a file

```
(base) MIC-MBpro-06:test Elizabeth$ mv -i a.txt b.txt overwrite b.txt? (y/n [n]) not overwritten (base) MIC-MBpro-06:test Elizabeth$
```

- Avoid spaces in your filenames
 - The command line cannot tell that list of fruit.txt is one file
 - Use underscores instead: list of fruit.txt
- Watch out for quotes
 - ' is not the same as "
 - Word will add smart quotes which are not the same as regular quotes



What is the error message telling me?

- Can it find the program I am trying to run?
- What directory am I running my command from? pwd is your friend
- Is there a file it cannot find? Doe the file exist and am I using the right path?
- Check you have permission to read and write the files and directory
- Did I forget to give a necessary option?
- Break down the command to work out what is causing the error