Using Shell Redirection and Piping

Redirection

```
sjcet@Z238-UL:~/martin$ cal 7 2020
     July 2020
Su Mo Tu We Th Fr Sa
         1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31
sjcet@Z238-UL:~/martin$ cal 7 2020 > sample2
sjcet@Z238-UL:~/martin$ cat sample2
    July 2020
Su Mo Tu We Th Fr Sa
         1 2 3 4
5 6 7 8 9 10 11
12 13 14 15 16 17 18
19 20 21 22 23 24 25
26 27 28 29 30 31
```

```
sjcet@Z238-UL:~$ ls apple > file3
sjcet@Z238-UL:~$ cat file3
file1
file2
sicet@Z238-UL:~$
```

To append (add) to the file

```
sjcet@Z238-UL:~$ ls apple >> file3
sjcet@Z238-UL:~$ cat file3
file1
file2
sjcet@Z238-UL:~$
```

Redirecting into Streams

Redirecting Standard Error

```
sjcet@Z238-UL:~/apple$ cat does_not_exit 2>error2
sjcet@Z238-UL:~/apple$ cat error2
cat: does_not_exit: No such file or directory
sjcet@Z238-UL:~/apple$
```

```
sjcet@Z238-UL:~/apple$ ls -1 &>error2
sjcet@Z238-UL:~/apple$ cat error2
error1
error2
file1
file2
sjcet@Z238-UL:~/apple$
```

Piping