

- a) Change the current directory to a subdirectory called **somedir**.

mkdir somedir

```
jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01
$ ll
total 126
-rw-r--r-- 1 jhyang 197121 108197 Sep 10 19:28 Assignment1.pdf
-rw-r--r-- 1 jhyang 197121 184 Sep 10 19:32 question1.txt
-rw-r--r-- 1 jhyang 197121 13571 Sep 10 19:33 question2.docx
-rw-r--r-- 1 jhyang 197121 162 Sep 10 19:33 '~$estion2.docx'

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01
$ mkdir somedir

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01
$ ll
total 126
-rw-r--r-- 1 jhyang 197121 108197 Sep 10 19:28 Assignment1.pdf
-rw-r--r-- 1 jhyang 197121 184 Sep 10 19:32 question1.txt
-rw-r--r-- 1 jhyang 197121 13571 Sep 10 19:33 question2.docx
drwxr-xr-x 1 jhyang 197121 0 Sep 10 19:37 somedir/
-rw-r--r-- 1 jhyang 197121 162 Sep 10 19:33 '~$estion2.docx'
```

- b) Print out to the terminal the contents of a file called **sometext.txt**. The file exists in the current directory.

less sometext.txt

```
jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01
$ ll
total 238
-rw-r--r-- 1 jhyang 197121 108197 Sep 10 19:28 Assignment1.pdf
-rw-r--r-- 1 jhyang 197121 184 Sep 10 19:32 question1.txt
-rw-r--r-- 1 jhyang 197121 131020 Sep 10 19:39 question2.docx
drwxr-xr-x 1 jhyang 197121 0 Sep 10 19:40 somedir/
-rw-r--r-- 1 jhyang 197121 162 Sep 10 19:33 '~$estion2.docx'

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01
$ cd somedir/

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ ll
total 1
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext.txt

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ less sometext.txt
```

```
1
2
3
4
5
6
7
8
9
10
(END)
```

- c) Print out to the terminal the last 5 lines of a plain text file called **sometext.txt**. The file exists in the current directory.

tail -5 sometext.txt

```
jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ ll
total 1
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext.txt

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ tail -5 sometext.txt
6
7
8
9
10
```

- d) Print out to the terminal the last 5 lines of each file that ends in the extension **.txt** and lives in the current directory.

**d.sh** file is the script to complete question d)

```
jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ ll
total 4
-rwxr-xr-x 1 jhyang 197121 114 Sep 10 20:16 d.sh*
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext.txt
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext2.txt
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext3.txt

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ ./d.sh
sometext.txt is opened now
6
7
8
9
10sometext2.txt is opened now
6
7
8
9
10sometext3.txt is opened now
6
7
8
9
10

#!/bin/bash

# This is the script for question 2 d)

for f in *.txt
do
    echo $f is opened now

    tail -5 $f
done
```

- e) Write a for loop which prints each integer from 0 to 6 (including 0 and 6).

**for.sh** file is the script to complete question e)

```
jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ ll
total 5
-rwxr-xr-x 1 jhyang 197121 114 Sep 10 20:16 d.sh*
-rwxr-xr-x 1 jhyang 197121 97 Sep 10 20:31 for.sh*
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext.txt
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext2.txt
-rw-r--r-- 1 jhyang 197121 29 Sep 10 19:40 sometext3.txt

jhyang@jhyang MINGW64 ~/Documents/all/UW-Madison/course_enroll/ME_759/HW01/somedir
$ ./for.sh
0
1
2
3
4
5
6

#!/bin/bash

# This is the script for question 2 e)

for((i=0;i<=6;i++))
do
    echo $i
done
```