

CENG313

PROGRAMMING ASSIGNMENT 1 REPORT

Q1) myprog1.sh

I have a file called numbers.txt (Figure1), containing integers per line :

5
3
33
4
7
15

when I run the code , I have Figure2 output.

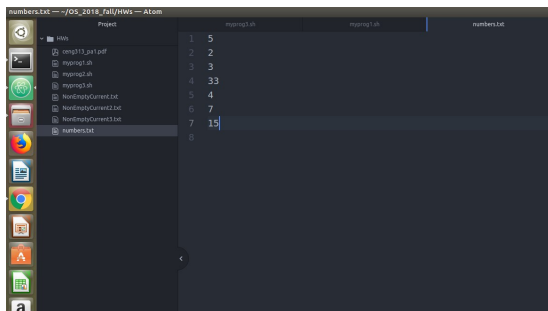


Figure1

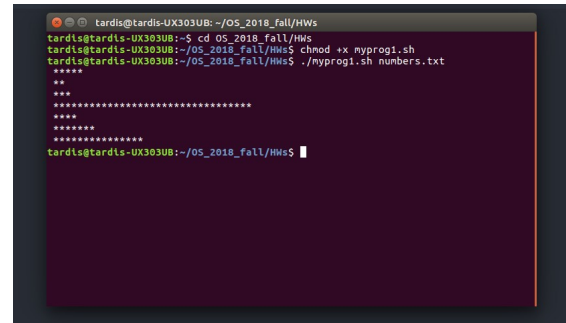


Figure2

Q2) myprog2.sh

When I run myprog2.sh , it asks for inputs. After entering some integers , I enter 'end' and program finds maximum number: (Figure3)

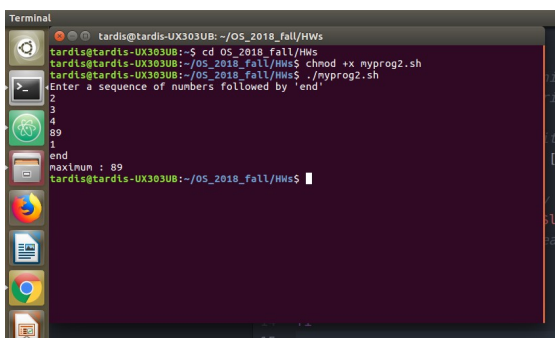


Figure3

Q3) myprog3.sh

1. Files in the current directory :
(Figure4)

```
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ ls -l
total 3444
drwxrwxr-x 2 tardis tardis 4096 Ekl 16 21:19 230201054_P1
-rw-rw-r-- 1 tardis tardis 868148 Ekl 16 21:20 230201054_P1.zip
-rw-rw-r-- 1 tardis tardis 40586 Ekl 15 17:24 ceng313_pa1.pdf
-rw-rw-r-- 1 tardis tardis 0 Ekl 18 18:32 Empty.txt
-rw-rw-r-- 1 tardis tardis 0 Ekl 18 18:32 Empty3.txt
-rwxrwxr-x 1 tardis tardis 613 Ekl 16 21:27 myprog1.sh
-rwxrwxr-x 1 tardis tardis 458 Ekl 15 22:06 myprog2.sh
-rwxrwxr-x 1 tardis tardis 479 Ekl 18 18:34 myprog3.sh
-rw-rw-r-- 1 tardis tardis 92 Ekl 15 23:23 NonEmptyCurrent2.txt
-rw-rw-r-- 1 tardis tardis 40 Ekl 16 18:35 NonEmptyCurrent3.txt
-rw-rw-r-- 1 tardis tardis 47 Ekl 15 22:29 NonEmptyCurrent.txt
-rw-rw-r-- 1 tardis tardis 16 Ekl 15 22:12 numbers.txt
-rw-rw-r-- 1 tardis tardis 1520496 Ekl 16 21:15 Report.odt
-rw-rw-r-- 1 tardis tardis 1050505 Ekl 16 21:16 Report.pdf
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$
```

Figure4

2. After I run myprog3.sh without command line argument, it deletes zero length files from the current directory and it tells how many files is removed: (Figure5)

```
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$
-rw-rw-r-- 1 tardis tardis 0 Ekl 18 18:32 Empty.txt
-rwxrwxr-x 1 tardis tardis 613 Ekl 16 21:27 myprog1.sh
-rwxrwxr-x 1 tardis tardis 458 Ekl 15 22:06 myprog2.sh
-rwxrwxr-x 1 tardis tardis 479 Ekl 18 18:34 myprog3.sh
-rw-rw-r-- 1 tardis tardis 92 Ekl 15 23:23 NonEmptyCurrent2.txt
-rw-rw-r-- 1 tardis tardis 40 Ekl 16 18:35 NonEmptyCurrent3.txt
-rw-rw-r-- 1 tardis tardis 47 Ekl 15 22:29 NonEmptyCurrent.txt
-rw-rw-r-- 1 tardis tardis 16 Ekl 15 22:12 numbers.txt
-rw-rw-r-- 1 tardis tardis 1520496 Ekl 16 21:15 Report.odt
-rw-rw-r-- 1 tardis tardis 1050505 Ekl 16 21:16 Report.pdf
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ chmod +x myprog3.sh
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ ./myprog3.sh
number of deleted files from current directory :
3
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ ls -l
total 3444
drwxrwxr-x 2 tardis tardis 4096 Ekl 16 21:19 230201054_P1
-rw-rw-r-- 1 tardis tardis 868148 Ekl 16 21:20 230201054_P1.zip
-rw-rw-r-- 1 tardis tardis 40586 Ekl 15 17:24 ceng313_pa1.pdf
-rwxrwxr-x 1 tardis tardis 613 Ekl 16 21:27 myprog1.sh
-rwxrwxr-x 1 tardis tardis 458 Ekl 15 22:06 myprog2.sh
-rwxrwxr-x 1 tardis tardis 479 Ekl 18 18:34 myprog3.sh
-rw-rw-r-- 1 tardis tardis 92 Ekl 15 23:23 NonEmptyCurrent2.txt
-rw-rw-r-- 1 tardis tardis 40 Ekl 16 18:35 NonEmptyCurrent3.txt
-rw-rw-r-- 1 tardis tardis 47 Ekl 15 22:29 NonEmptyCurrent.txt
-rw-rw-r-- 1 tardis tardis 16 Ekl 15 22:12 numbers.txt
-rw-rw-r-- 1 tardis tardis 1520496 Ekl 16 21:15 Report.odt
-rw-rw-r-- 1 tardis tardis 1050505 Ekl 16 21:16 Report.pdf
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$
```

Figure5

3. Files in the /home/tardis/Desktop directory :
(Figure6)

```
tardis@tardis-UX303UB: ~$ ls -l /home/tardis/Desktop
total 12
-rw-rw-r-- 1 tardis tardis 0 Ekl 16 18:37 EmptyDesktop2.txt
-rw-rw-r-- 1 tardis tardis 0 Ekl 16 18:37 EmptyDesktop.txt
-rw-rw-r-- 1 tardis tardis 92 Ekl 15 23:23 NonEmptyDesktop2.txt
-rw-rw-r-- 1 tardis tardis 40 Ekl 16 18:35 NonEmptyDesktop3.txt
-rw-rw-r-- 1 tardis tardis 47 Ekl 15 22:29 NonEmptyDesktop.txt
tardis@tardis-UX303UB: ~$
```

Figure6

4. After I run myprog3.sh by giving /home/tardis/Desktop as command line argument, program deletes zero length files from given directory and tells how many files is removed : (Figure7)

```
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ ls -l /home/tardis/Desktop
total 12
-rw-rw-r-- 1 tardis tardis 0 Ekl 18 12:05 EmptyDesktop2.txt
-rw-rw-r-- 1 tardis tardis 0 Ekl 18 12:06 EmptyDesktop.txt
-rw-rw-r-- 1 tardis tardis 92 Ekl 15 23:23 NonEmptyDesktop2.txt
-rw-rw-r-- 1 tardis tardis 40 Ekl 16 18:35 NonEmptyDesktop3.txt
-rw-rw-r-- 1 tardis tardis 47 Ekl 15 22:29 NonEmptyDesktop.txt
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ chmod +x myprog3.sh
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ ./myprog3.sh /home/tardis/Desktop
number of deleted files from /home/tardis/Desktop :
2
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$ ls -l /home/tardis/Desktop
total 12
-rw-rw-r-- 1 tardis tardis 92 Ekl 15 23:23 NonEmptyDesktop2.txt
-rw-rw-r-- 1 tardis tardis 40 Ekl 16 18:35 NonEmptyDesktop3.txt
-rw-rw-r-- 1 tardis tardis 47 Ekl 15 22:29 NonEmptyDesktop.txt
tardis@tardis-UX303UB: ~/OS_2018_fall/HWs$
```

Figure7