

UE18CS305 Week 2

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Exercise 1

```
C:\rashaad@rashaad: /mnt/d/Education/fall 2020/UE18CS305/week2
Hello rashaad
Today is
Thu Sep 10 11:29:43 IST 2020
Number of use login:
Calender
    September 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

rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$
```

exit 0 is used to exit the shell with successful status code.

\$ is used to indicate a variable.

Exercise 2

echo \$HOME

To print the value of the variable, not the actual word.

Exercise 3

```
rashaad@rashaad: /mnt/d/Education/fall 2020/UE18CS305/week2
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ expr 1 + 3
4
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ expr 2 - 1
1
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ expr 10 / 2
5
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ expr 20 % 3
2
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ expr 10 \* 3
30
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ echo `expr 6 + 3`
9
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$
```

Exercise 4

Single quotes are uninterpreted strings.

Double quotes are interpreted strings.

Back quotes are expressions that evaluate before the command executes.

Exercise 5

```
rashaad@rashaad: /mnt/d/Education/fall 2020/UE18CS305/week2
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ cat file.txt
1
5
2
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$ sort file.txt
1
2
5
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2$
```

\$ sort <file.txt> lists the lines of the file in alphanumerical order.

Exercise 6

```
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2/exercise6$ ls
ABC Test foo1.c foo2.TXT myFile.Xa rename.sh rename.sh.save sample
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2/exercise6$ bash rename.sh
abc
test
foo1.c
foo2.txt
lowercase.txt
myfile.xa
rename.sh
rename.sh.save
sample
rashaad@rashaad:/mnt/d/Education/fall 2020/UE18CS305/week2/exercise6$
```

```
rashaad@rashaad: /mnt/d/Education/fall 2020/UE18CS305/week2/exercise6
GNU nano 4.8 rename.sh
#!/bin/sh

ls > lowercase.txt
tr '[:upper:]' ' ' '[:lower:]' < lowercase.txt

[ Read 4 lines ]
^G Get Help  ^O Write Out  ^W Where Is  ^K Cut Text  ^J Justify    ^C Cur Pos
^X Exit      ^R Read File  ^\ Replace   ^U Paste Text ^T To Spell   ^_ Go To Line
```