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Session 1

1.1

First, I wanted to change the time zone, but as a normal user it was not possible. In response to that I used *"sudo su"* to get in the root and change the time zone with *"timedatectl set-timezone 'Europe/Brussels'"*, the results are in the image below. After that I went back to normal user with *"exit"*

```
root@3networkarchitecture-SH:/home/s0242689# timedatectl
                Local time: Wed 2024-10-02 15:29:50 CEST
            Universal time: Wed 2024-10-02 13:29:50 UTC
                  RTC time: Wed 2024-10-02 13:29:50
                 Time zone: Europe/Brussels (CEST, +0200)
System clock synchronized: yes
              NTP service: active
            RTC in local TZ: no
```

Knowing that the time zone is correct I could continue with *"date +'Today is %A, %B %d, %Y'"*, which gave the result shown below. (I know time zone was not needed to get to this result, but it felt better to do it anyway.)

```
s0242689@3networkarchitecture-SH:~$ date +"Today is %A, %B %d, %Y"
Today is Wednesday, October 02, 2024
```

1.2

Printing variables is done with *"echo"* and the outcome is as follows:

```
s0242689@3networkarchitecture-SH:/$ echo $HOSTNAME
3networkarchitecture-SH
s0242689@3networkarchitecture-SH:/$ echo $USERNAME

s0242689@3networkarchitecture-SH:/$ echo $SHELL
/bin/bash
s0242689@3networkarchitecture-SH:/$ echo $HOME
/home/s0242689
```

1.3

First, creating the folder **myfolder** using *"mkdir myfolder"* followed by *"cd myfolder"* to move into the newly created folder. After that create both **myfile1** and **myfile2** using *"touch myfile1; touch myfile2"* and lastly change permissions of **myfile1** so the user can read and write, groups can read and execute, and others can read. Since the default is *"rw-r--r--"*, the only setting to change is to allow group to execute. This is done by using *"chmod g+x myfile1"*, *"g+x"* means add **g**roup can e**x**ecute permissions, the results are shown below.

```
s0242689@3networkarchitecture-SH:~/session-1/myfolder$ ls -l
total 0
-rw-r-xr-- 1 s0242689 s0242689 0 Oct  2 13:03 myfile1
-rw-r--r-- 1 s0242689 s0242689 0 Oct  2 13:03 myfile2
```

1.4

Recursively changing permissions of **myfolder** is done using *"-R"* in *"chmod -R a-w myfolder"*, *"a-w"* means remove **w**rite permissions for **a**ll, the results are shown below.

```
s0242689@3networkarchitecture-SH:~/session-1$ ls -l
total 4
dr-xr-xr-x 2 s0242689 s0242689 4096 Oct  2 13:03 myfolder
s0242689@3networkarchitecture-SH:~/session-1$ cd myfolder/
s0242689@3networkarchitecture-SH:~/session-1/myfolder$ ls -l
total 0
-r--r-xr-- 1 s0242689 s0242689 0 Oct  2 13:03 myfile1
-r--r--r-- 1 s0242689 s0242689 0 Oct  2 13:03 myfile2
```