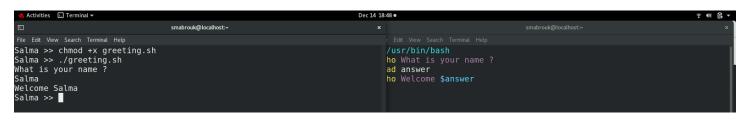
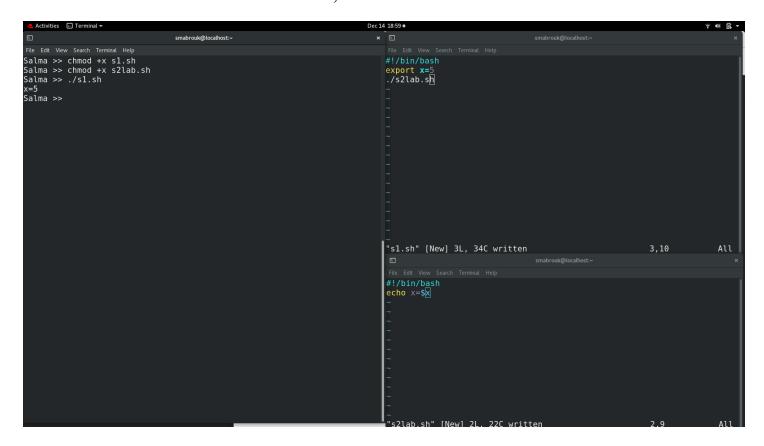
## Bash script lab 2

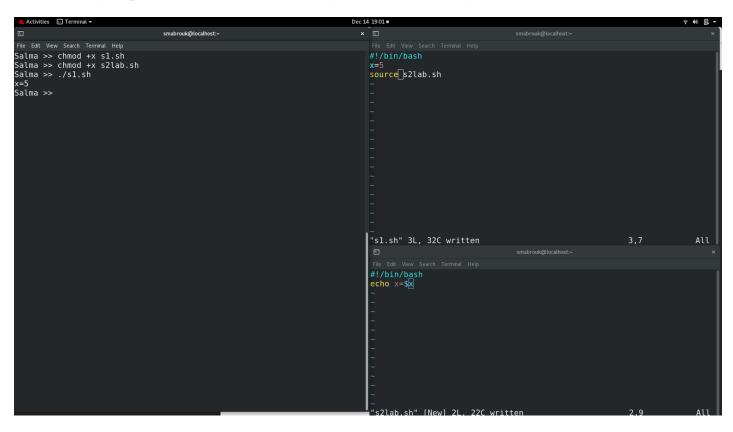
1. Create a script that asks for user name then send a greeting to him.



- 2. Create a script called s1 that calls another script s2 where:
- In s1 there is a variable called x, it's value 5



• Try to print the value of x in s2 by two different ways.



- 3. Create a script called mycp where:
- It copies a file to another

```
| A Mothetic | Terminal | Termina
```

• It copies multiple files to a directory.

- 4. Create a script called mycd where:
- It changed directory to the user home directory, if it is called without arguments.
- Otherwise, it change directory to the given directory.



- 5. Create a script called myls where:
- It lists the current directory, if it is called without arguments.
- Otherwise, it lists the given directory.

```
Activities Terminal Felp

| Salma >> . myls.sh | Salma | Sa
```

- 6. Enhance the above script to support the following options individually:
- –l: list in long format
- –a: list all entries including the hiding files.
- -d: if an argument is a directory, list only its name
- –i: print inode number
- -R: recursively list subdirectories

```
Activities 🕟 Terminal 🕶
                                                                                                                                                                                                                                                                                   ÷ (0) (2, ▼
                                                            smabrouk@localhost:~
                                                                                                                                            x 🗈
  File Edit View Search Terminal Help
Salma >> . myls.sh
                             ff
file
                                                         mvcd.sh
                                                                                                                                                               if [ $1 = '-l' ]
then
                                                                                                                                                               echo List in long format.
elif [ $1 = '-a' ]
then
                                                         mycp.sh
                                                         myls.sh
                            mail.sh
 Salma >> . myls.sh -l
List in long format.
Salma >> . myls.sh -a
                                                                                                                                                                elif [ $1 = '-d' ]
then
                                                                                                                                                               echo If an argument is a directory, list only its name. elif [ \$1 = '-i' ] then
Salma >> . myls.sh -a
List all entries including the hiding fils.
Salma >> . myls.sh -d
If an argument is a directory, list only its name.
Salma >> . myls.sh -i
Print inode number.
Salma >> . myls.sh -R
Recursively list subdirectories.
```

- 7. Create a script called mytest where:
- It check the type of the given argument (file/directory)
- It check the permissions of the given argument (read/write/execute)

```
smabrouk@localhost:~
                                                                                                                          x 🗈
Salma >> . mytest.sh
Saluma >> . mylest.sn
Try to enter an argument.
Salma >> . mytest.sh docs
This is a directory.
This directory is readable.
                                                                                                                             if [ $# -gt 0 ]
then
                                                                                                                                           if [ -f $1 ]
then
                                                                                                                                                        echo This is a file.
if [ -r $1 ]
then
This file to readable.

This is a file.

This file is readable.

Salma >> . mytest.sh file

This is a file.
This file is readable.
                                                                                                                                                                      echo This file is writable.
Salma >>
                                                                                                                                           elif [ -d $1 ]
then
                                                                                                                                                         elif [ -w $1 ]
                                                                                                                                                         elif [ -x $1 ]
                                                                                                                                           echo Trv to enter an argument.
                                                                                                                            "mytest.sh" [New] 33L, 525C written
                                                                                                                                                                                                                            9,30-51
```

- 8. Create a script called myinfo where:
- It asks the user about his/her logname.
- It print full info about files and directories in his/her home directory
- Copy his/her files and directories as much as you can in /tmp directory.
- Gets his current processes status.

