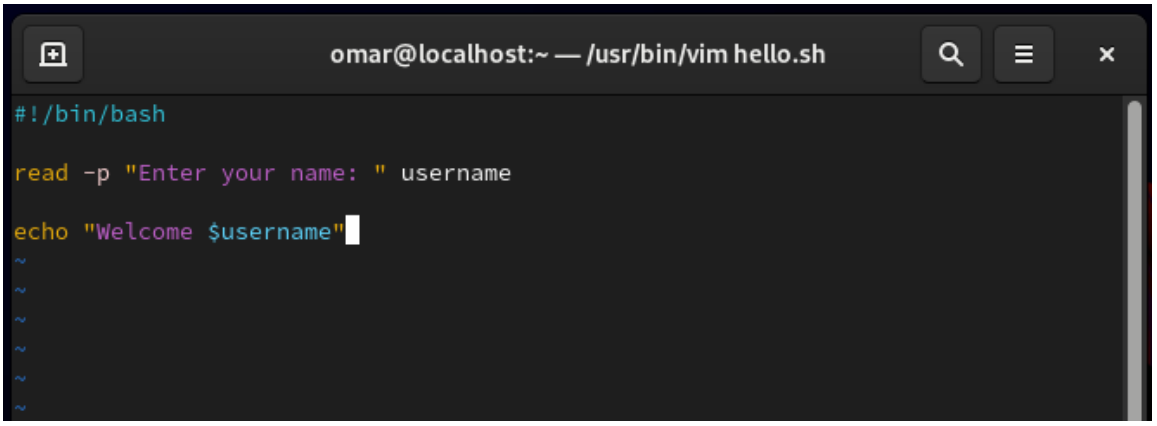
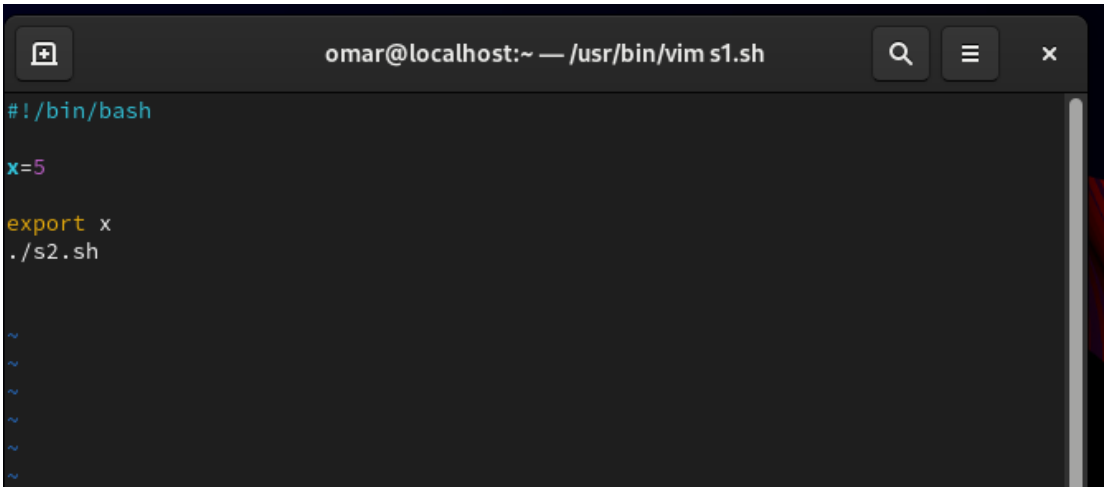
Bash lab 2

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

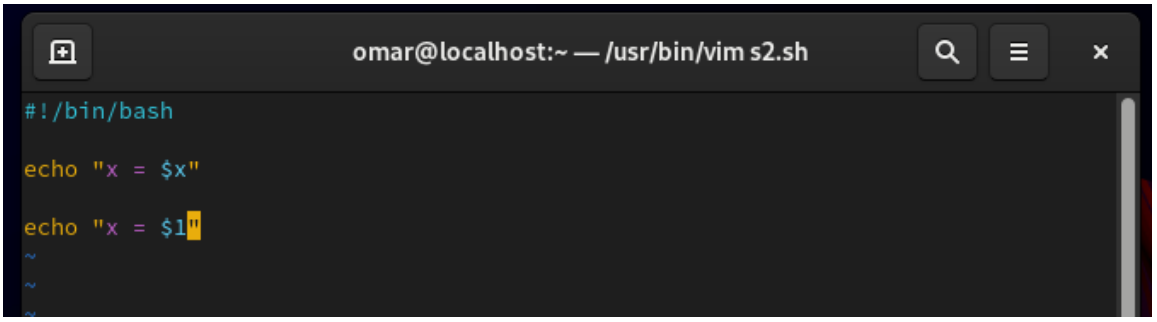


2. Create a script called s1 that calls another script s2 where:

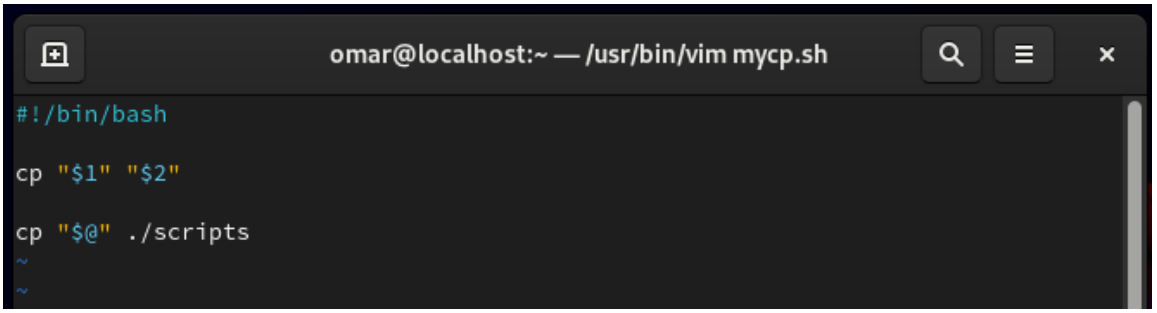
   a. In s1 there is a variable called x, it's value 5



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

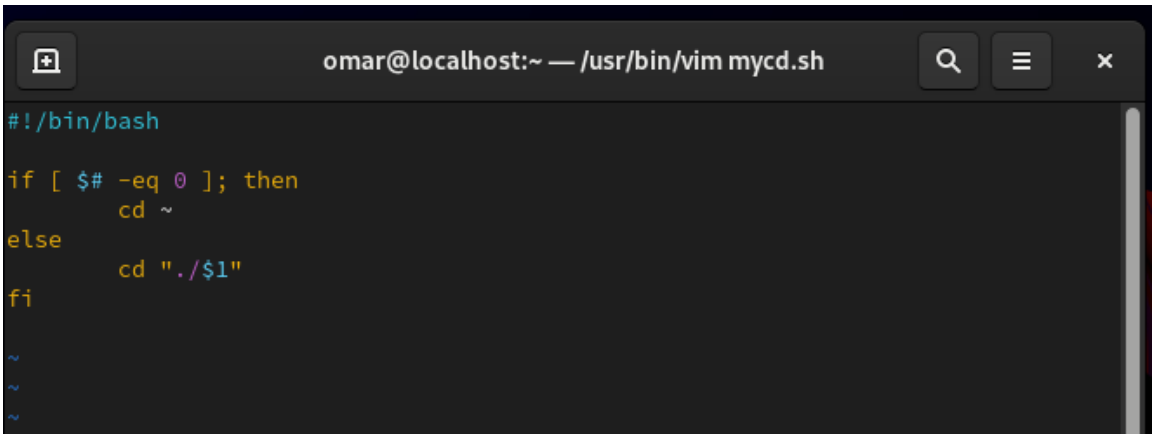


3. Create a script called mycp where:
    a. It copies a file to another
    b. It copies multiple files to a directory.



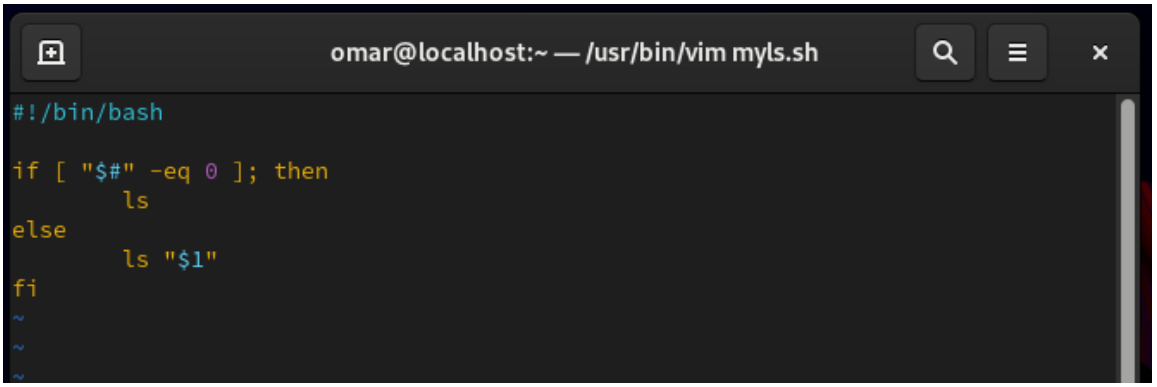

```
[omar@localhost ~]$ ./mycp.sh s1.sh s2.sh
```

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

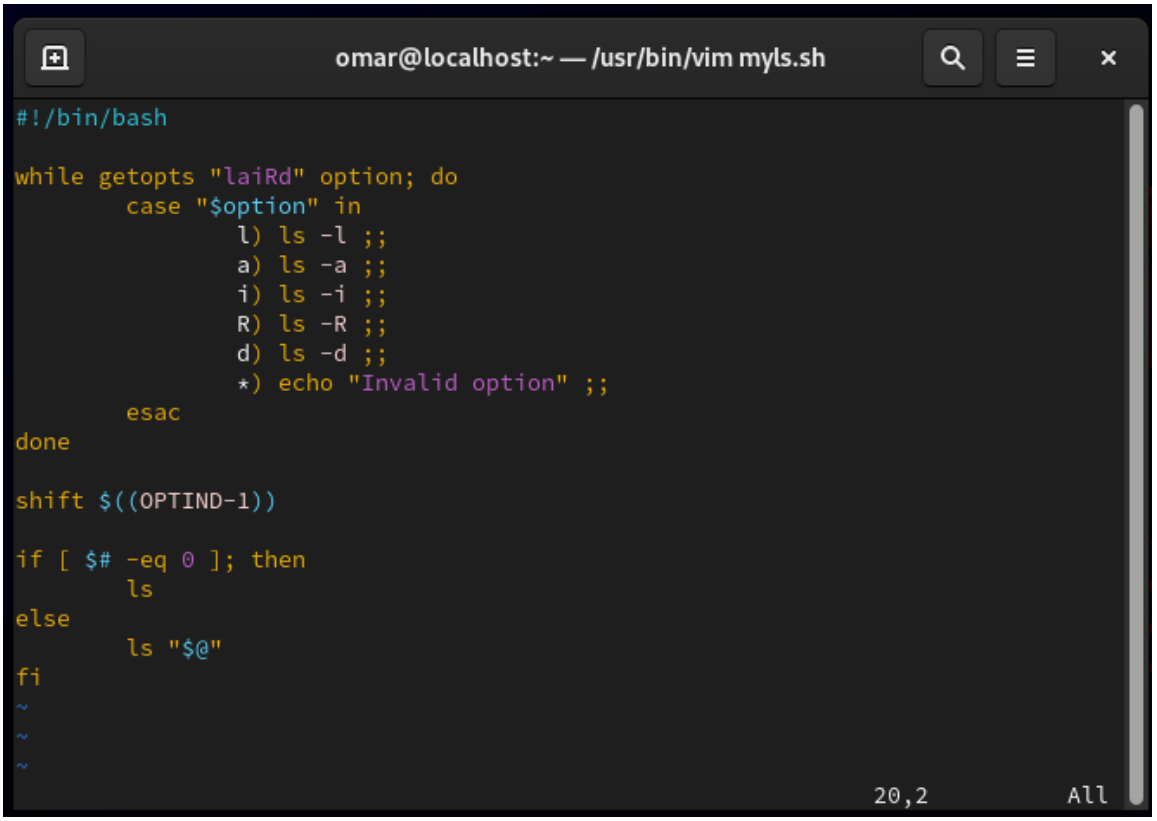



```
[omar@localhost scripts]$ . mycd.sh
[omar@localhost ~]$ vi myls.sh
```

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



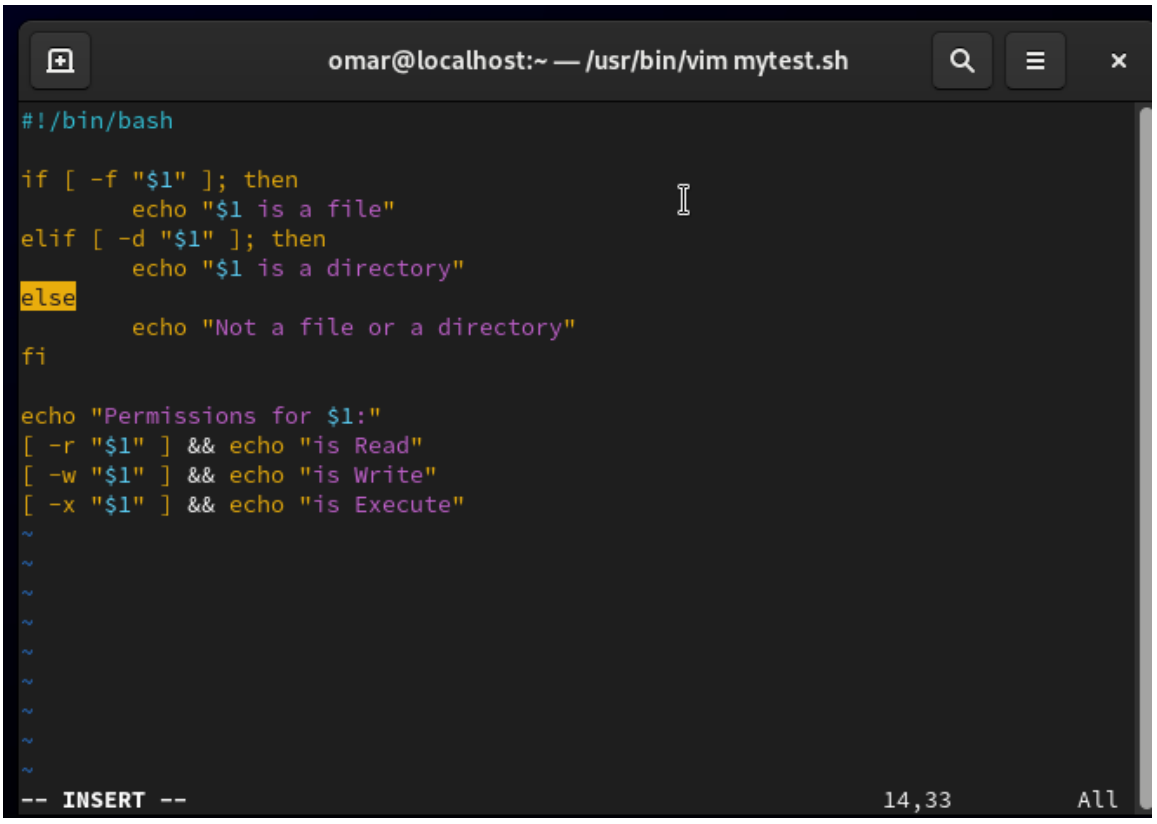
6. Enhance the above script to support the following options individually:
   a. –l: list in long format
   b. –a: list all entries including the hiding files.
   c. –d: if an argument is a directory, list only its name
   d. –i: print inode number
   e. –R: recursively list subdirectories



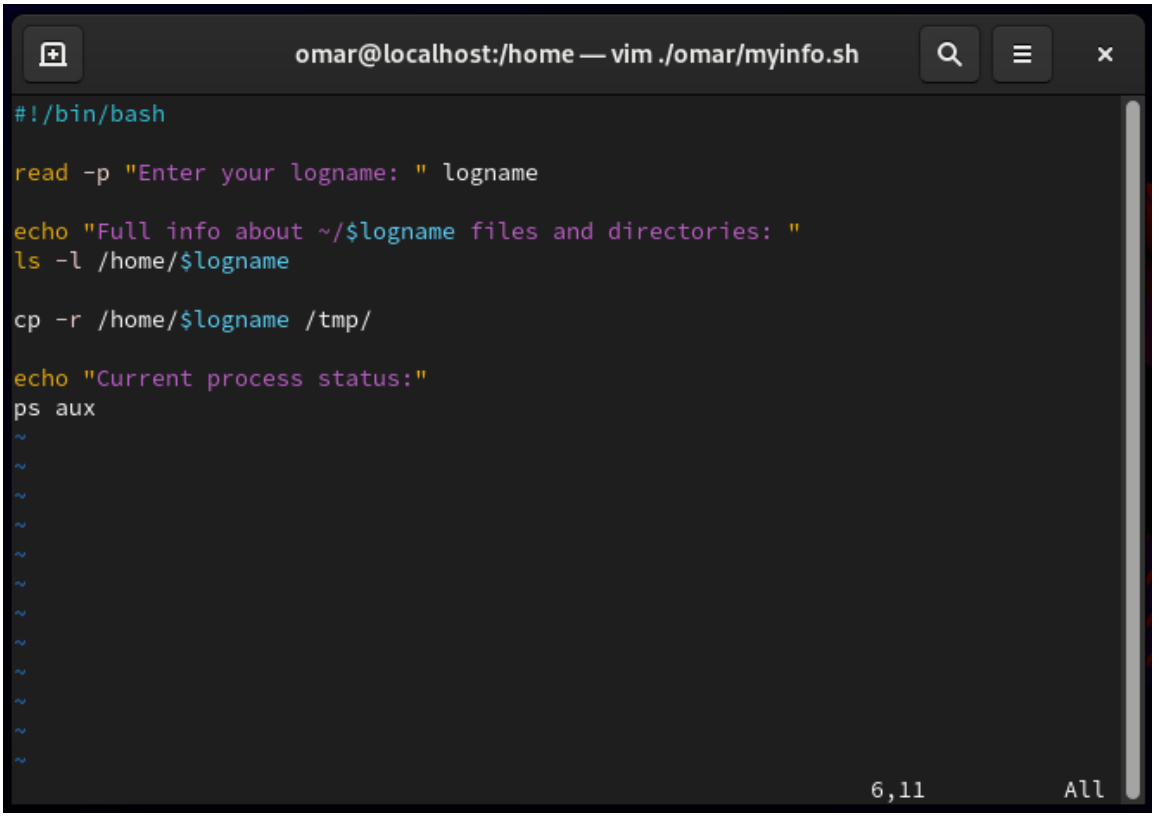
- Bonus: enhance the above script to support the following Synopsis:

- myls -option1 –option2
- myls –option2 –option1
- myls –option1option2
- myls –option2option1

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



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


omar@localhost:/home — vim ./omar/myinfo.sh
#!/bin/bash
read -p "Enter your logname: " logname
echo "Full info about ~/$logname files and directories: "
ls -l /home/$logname
cp -r /home/$logname /tmp/
echo "Current process status:"
ps aux
6,11
All