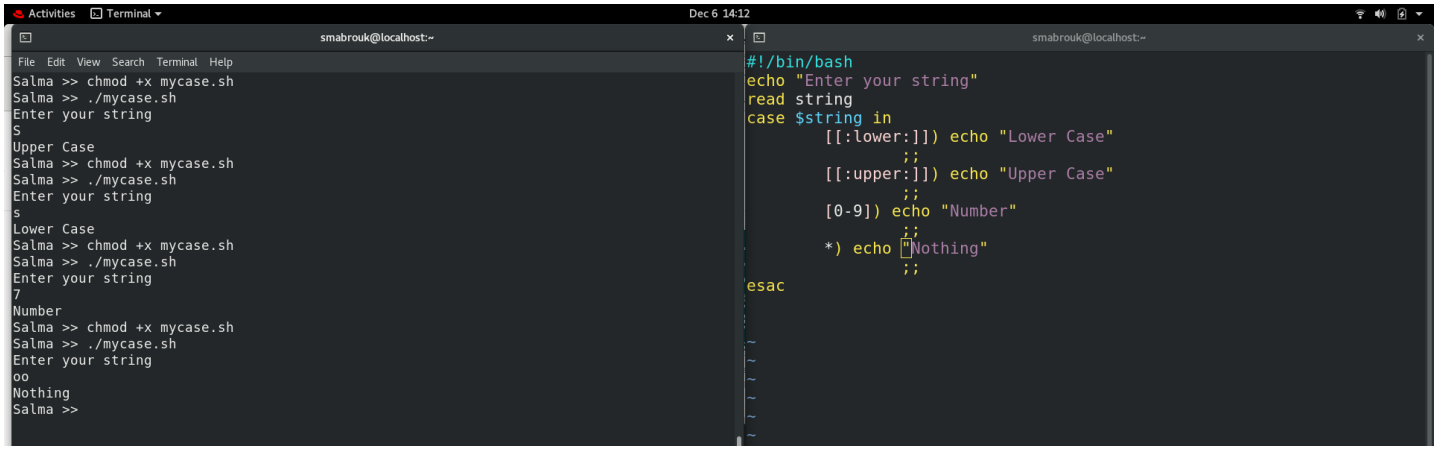
Bash script lab 3

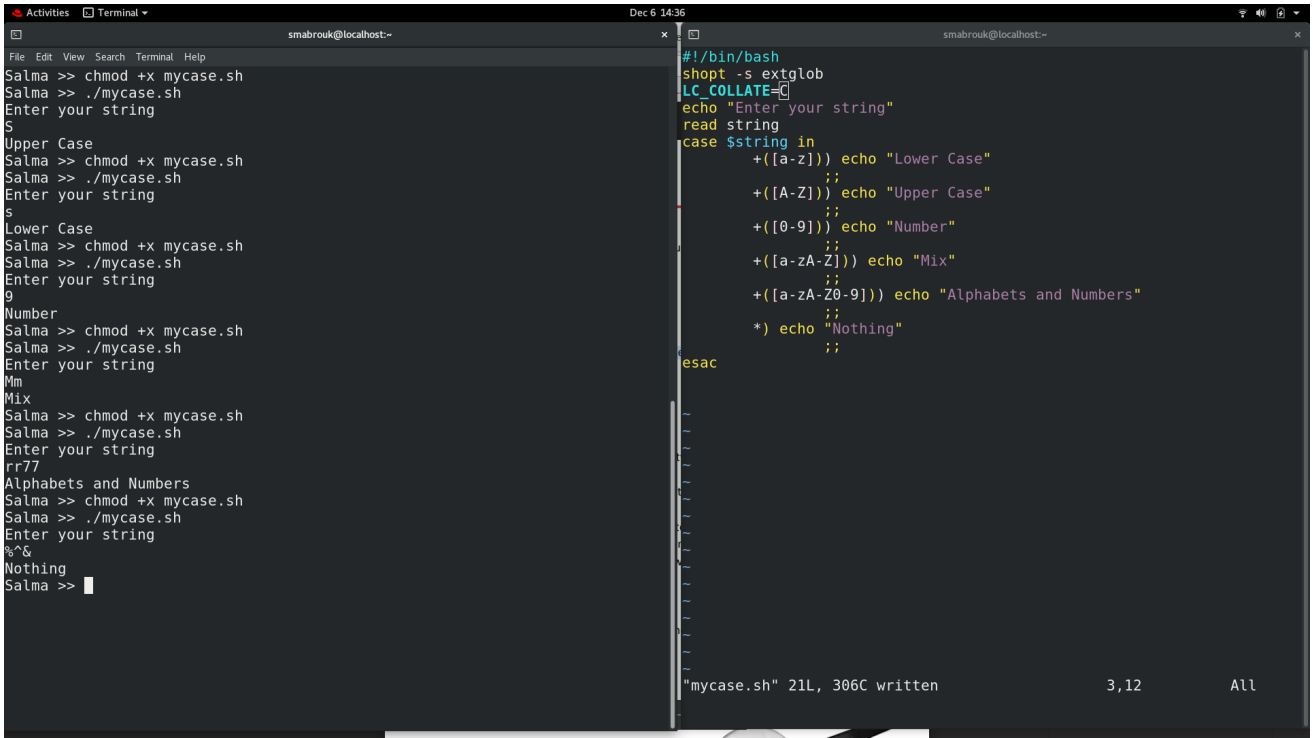
1. Write a script called mycase, using the case utility to checks the type of character entered by a user:

- Upper Case.
- Lower Case.
- Number.
- Nothing.

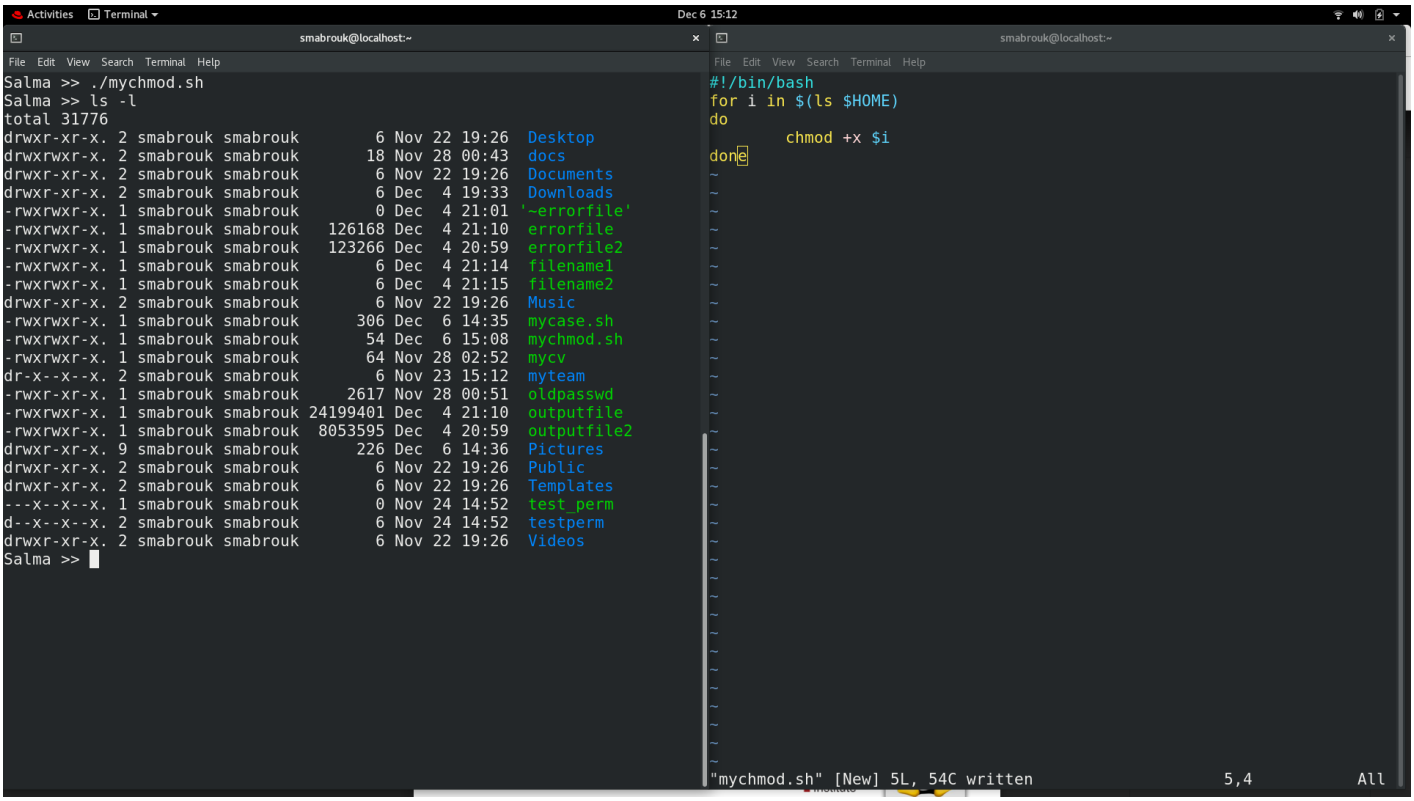


2. Enhanced the previous script, by checking the type of string entered by a user:

- Upper Cases.
- Lower Cases.
- Numbers.
- Mix.
- Nothing.

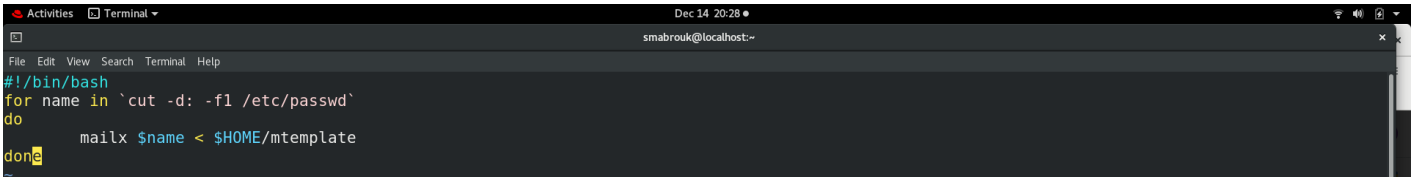


3. Write a script called mychmod using for utility to give execute permission to all files and directories in your home directory.

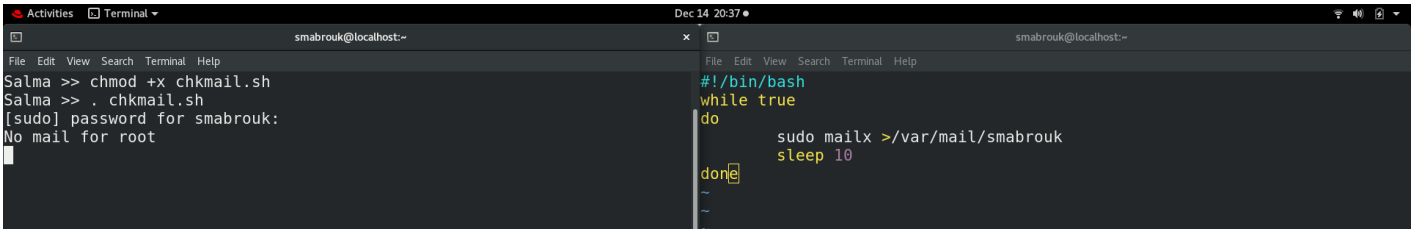


4. Write a script called mybackup using for utility to create a backup of only files in your home directory.

5. Write a script called mymail using for utility to send a mail to all users in the system. Note: write the mail body in a file called mtemplate.



6. Write a script called chkmail to check for new mails every 10 seconds. Note: mails are saved in /var/mail/username.



7. What is the output of the following script

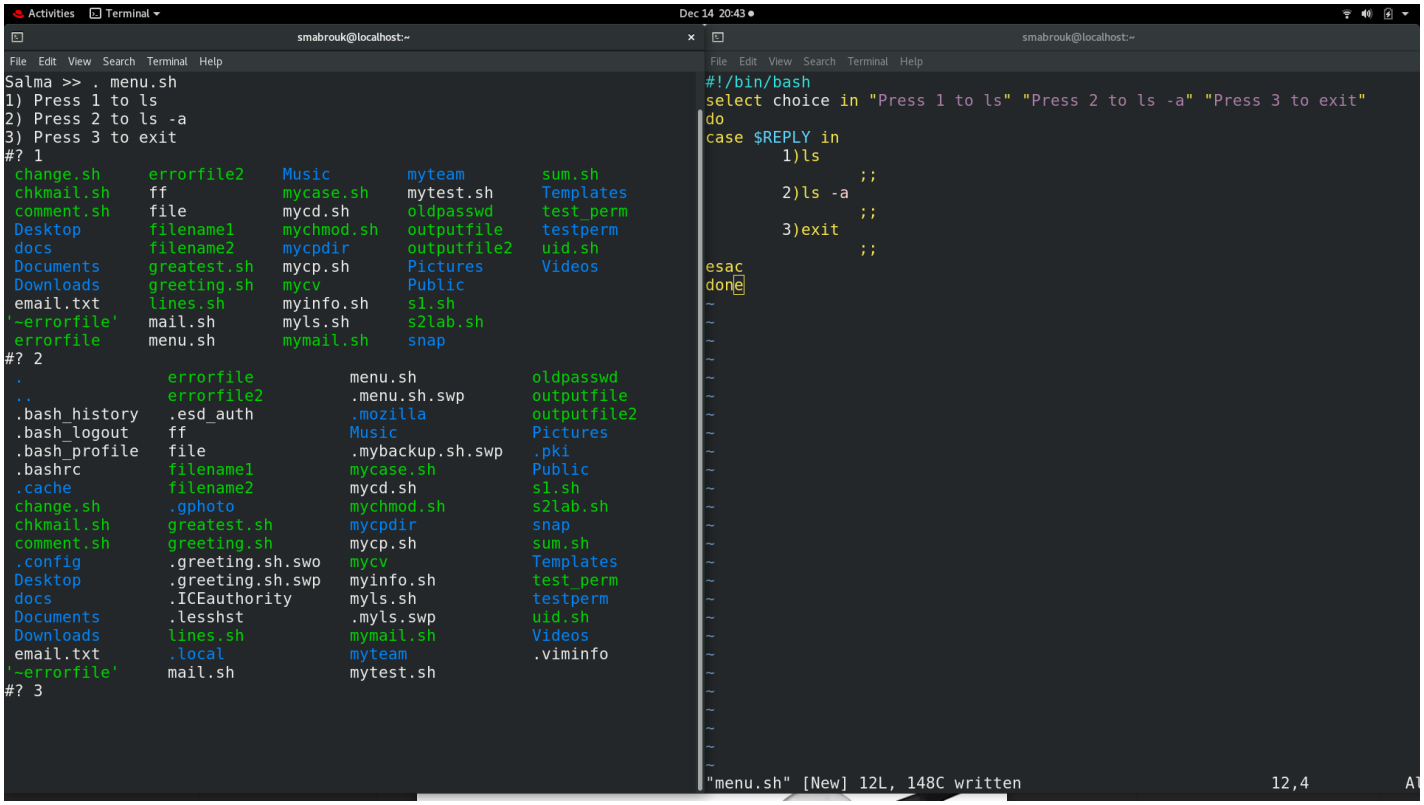
```
typeset –i n1
typeset –i n2
n1=1
n2=1
while test $n1 –eq $n2
do
n2=$n2+1
print $n1
if [ $n1 –gt $n2 ]
then
break
else
continue
fi
n1=$n1+1
print $n2
done
```

The output = 1

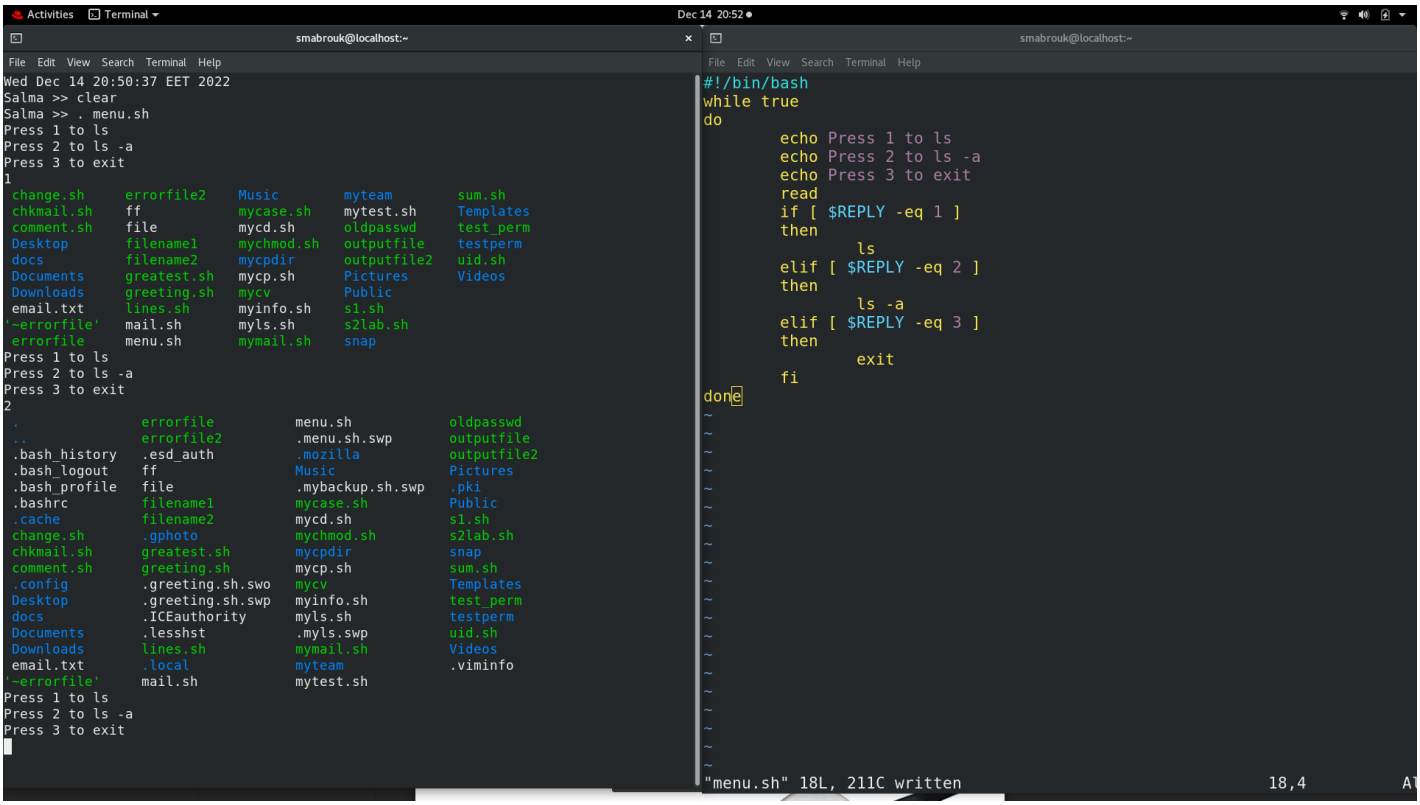
8. Create the following menu using select utility then while utility.:

- Press 1 to ls
- Press 2 to ls –a
- Press 3 to exit

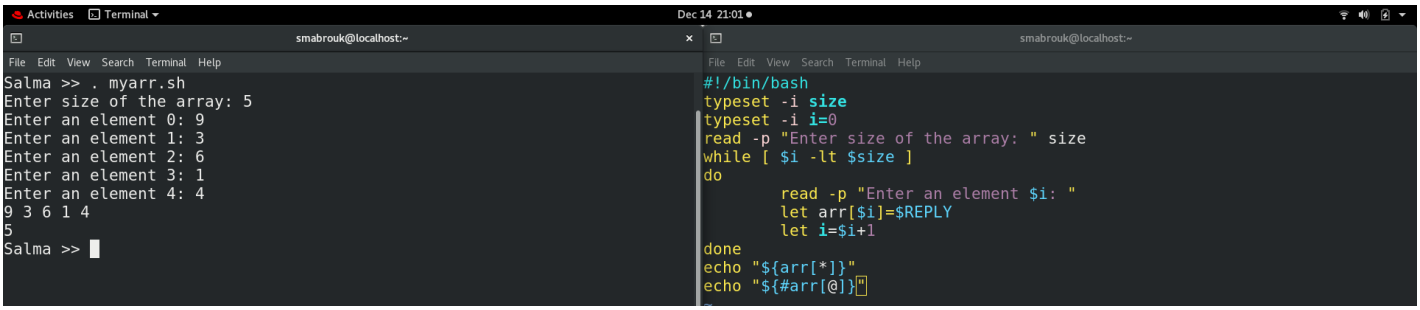
Using select utility:



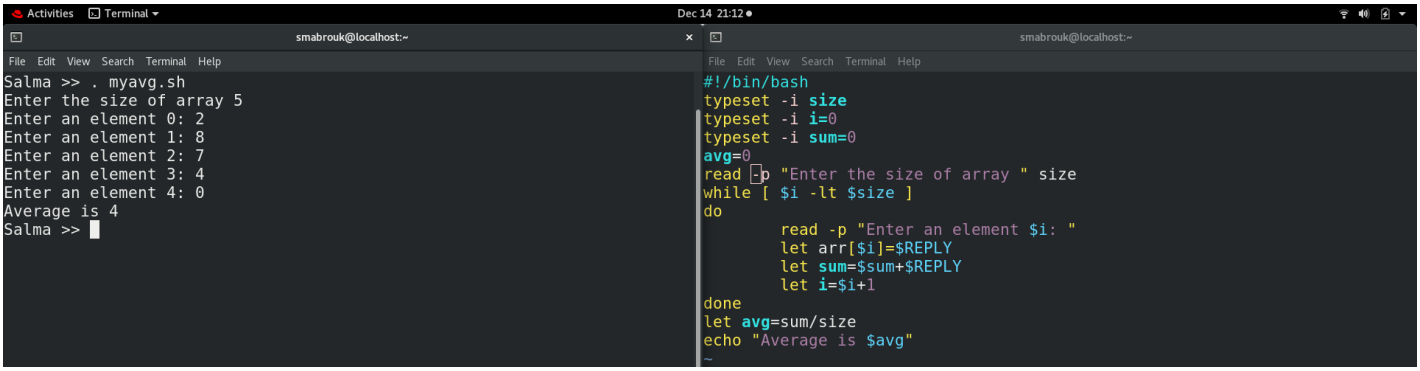
Using while utility:



9. Write a script called myarr that ask a user how many elements he wants to enter in an array, fill the array and then print it.



10. Write a script called myavg that calculate average of all numbers entered by a user. Note: use arrays



11. Write a function called mysq that calculate square if its argument.