## Lab 3





- 1. Write a script called mycase, using the case utility to checks the type of character entered by a user:
  - a. Upper Case.
  - b. Lower Case.
  - c. Number.
  - d. Nothing.
- 2. Enhanced the previous script, by checking the type of string entered by a user:
  - a. Upper Cases.
  - b. Lower Cases.
  - c. Numbers.
  - d. Mix.
  - e. 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.

## **Bonus:**

Open a talk session to a certain user when she/he logs into the system.









## 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 -qt $n2 ]
then
    break
else
    continue
fi
n1 = n1 + 1
print $n2
done
```

- 8. Create the following menu:
  - a. Press 1 to ls
  - b. Press 2 to Is –a
  - c. Press 3 to exit

Using select utility then 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.



