```
2- echo
3- test
4- read
5- grep
How to write shell script
Shell script examples
login user name hany home directory /home/hany login user name ali home directory /home/ali
                                                                    bash
                                                                      ksh
system variables HOME SHELL LOGNAME ......
user can define his own variables
-list-create-remove variables
var=value
               create
x = 10
fname=hany
echo $var
                 list
echo $HOME
echo $fname
                toremove value from var
unset var
unset fname
                                                        [root@RHServerl ~]# date
Thu Feb 11 17:40:31 EST 2021
[root@RHServerl ~]#
[root@RHServerl ~]#
[root@RHServerl ~]# echo date
date
echo text
echo $variable
echo `command`
                                                        [root@RHServer1 ~]# echo `date`
Thu Feb 11 17:40:45 EST 2021
echo $? <<<< exit status > [root@8/Serverl -]# grop to
roots885erver1. -1#
                                    not found Il errors -> 1
test options argument
test -f fileName if it file
test -d fileName
                         if it directory
test -r fileName
                         if has read permissions
test -w fileName
                         if has write permissions
test -x fileName
                         if has execute permissions
test -e fileName
                         if file exists
test $var = value
                          if var = value
test $LOGNAME = 150+
echo $? < yes 0
                 not equal
                         -gt -le .....
test -eq
test $var -eq value
echo $?
```

1- variables

```
read
      interactive scripts
#read var
value
var=value
echo $var
grep filter
                                search in file content and search in command output
grep word file
                                              pipe line
command | grep word
grep -i
              ignore letters case
grep -w
              word Search exactly.
              line count
grep -c
             line numbers where word is found
grep -n
             reverse search, give me lines, that does not contain word
grep -v
            lines start with
grep ^word
              lines end with
grep word$
ifconfig | grep -w inet search for word "inet" in command ifconfig output
how to write shell script
              define shell type
#!/bin/bash
# commented lines
chmod u+x
               add exceute permissions
              to run script
./script
                                             Script to Search
For Specific Eile
#!/bin/bash
# this script help you to search for files
echo please enter the file name
read filename
find / -name $filename
#!/bin/bash
# this script lists some system informations
echo the time is :
date
echo the current login user is :
echo $LOGNAME
echo the machine name is :
hostname
echo the ip address for this machine is :
ifconfig | grep -w inet
echo the current processes is :
ps -f
echo thanks IT Department
```

cat leta/passwd | grep "hany" Vs. grep "hany" leta/passwd
cat a axis or grep LEI passwd II cito Lil io grep LEI **E** File Edit View Search Terminal Help #!/bin/bash echo please enter valid user name read name grep -w \$name /etc/passwd >/tempfile if test \$? = 0then echo not valid the user already exist else useradd \$name passwd \$name fi rm -rf /tempfile File Edit View Search Terminal Help #!/bin/bash tar cvf /reports.backup.`date +%d-%m` /report*