

```

echo
test
read
grep
-----
echo    print
# echo welcome          text
# echo $HOME            variable
# echo `date`           command
# echo $?               exit status < 1 does not exist
                                < 0 exist
-----
test    option  file type, file permissions , variables .....
echo $?  0 1

# test -f work1          if it file or not
# test -d work1          if it directory or not
# test -r /etc/passwd    read permission
# test -w /etc/passwd    write permission
# test -x /etc/passwd    x permission
# test -e /etc/passwd    if file exists
# test $LOGNAME = root   test value of variable = root or not
-----
read    interactive scripts

# read variable
value

# echo $variable
value
-----|
grep    filter in file or command output
grep word file
command | grep word      | pipe line      command redirection
grep -options

# grep hany /etc/passwd
# grep -i HANY /etc/passwd  ignore case
# grep -w hany /etc/passwd  word as a word not a part of words.
# grep -c root /etc/passwd  count lines
# grep -n root /etc/passwd  line numbers
# grep ^root /etc/passwd    lines start with
# grep bash$ /etc/passwd    lines end with
# ifconfig |grep inet
# ifconfig |grep -w inet
-----

```

Shell scripts Examples

```
#!/bin/bash
# this script lists some system information
clear
echo " ##### Script started ##### "
echo the time is :-
date
echo the current login user is :-
echo $LOGNAME
echo the machine name is :- `hostname`
echo the ip addresses for this server is :-
ifconfig |grep -w inet
echo the current processes now is :-
ps
echo " ##### script end ##### "
echo thanks IT Department
```

```
-----
#!/bin/bash
echo please enter file name
read filename
find / -name $filename
```

```
-----
#!/bin/bash
echo please enter user name
read name
useradd $name
passwd $name
id $name
```

```
-----
# if statment
```

```
if condition                test
then
command1                    value if true
command2
else
command3                    value if false
fi
```

```
#!/bin/bash
if test $LOGNAME = root
then
echo welcome super user
echo the host name is : `hostname`
echo the ip addresses is :-
ifconfig |grep -w inet
echo you are welcome
else
echo " ##### LIMITED ACCESS ##### "
fi
```

```
#!/bin/bash
echo please enter user name
read name
grep -iw $name /etc/passwd
if test $? = 0
then
echo user found
id $name
else
echo user not found
fi
```

Task create script help you to create new user account if not exist

