

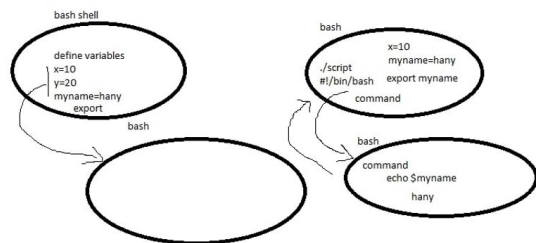
Shell is command interpreter

مترجم الأوامر  
+ Kernel

### Shell types

- Bourne Shell sh
- Korn Shell ksh
- Cshell csh
- Bourne Again Shell bash
- tab complete
- history
- alias alias name = command

all support same commands, but difference is in features like ↗



Admin 3

(60% Network)

- Shell scripting

- Configure Network services

CONs, DHCP, Network teaming,

Apache, post fix, Shell Storage

integration with windows, maria db,

Network scripting )

Admin3 RH254

shell Command interpreter

shell Scripting / programming

Executable File

Define shell Script

#!/bin/bash

add x permissions

chmod u+x

execute shell script

./scriptname

. /root/scriptname

current path

full path

variables

HOME=home directory for current user

Var=Value create variable

echo \$Var view value of variable

export var export variable to all sub shells

~/.bash\_profile define permanent variables for user ~ = home directory

unset var remove variable

/etc/profile define permanent variables for all users

→ User define his own variable, will overwrite global variables.

you can define variable inside script :-

#!/bin/bash

myname=hany

lname=nasr

echo welcome \$myname \$lname

```
[root@localhost ~]# pwd
/root
[root@localhost ~]# su - hany
[hany@localhost ~]# pwd
/home/hany
[hany@localhost ~]#
[hany@localhost ~]#
[hany@localhost ~]# exit
logout
[root@localhost ~]# pwd
/root
[root@localhost ~]# su hany
[hany@localhost root]# pwd
/root
[hany@localhost root]# exit
```