shell scripting

-> Let's continue with a linux Instance.

-> Remove everything before starting.

PUHy:

[: basic echo ema] hello

[root@ip-172-31-14-99 AJ# echo \$BASH

1bin/bash

Troot@ip-172-31-14-99 ~]# echo \$BASH_NERSION

5.2.15 (1) - Heledse

[root@iP-172-31-14-99 NJ# echo \$HOME

1 root

Iroot@ip-172-31-14-99 ~]# echo \$PWD

1root

[: system variables]

Charlest Hode Four!

Mar van appo:

Motell-172-31-14-99 ~J# vi syed.sh
[Motell-172-31-14-99 ~J# 15

Syed.sh

Syed.sh

[: white - means fib]

[1001@iP-172-31-14-99 ~]# https://www.not.gip-172-31-14-99 ~]# 15

Syed.sh

Logran

[: Green because we gave

RWE parmissions]

[: with those 3 parmissions

only we can tun a str...

file]

Moster-172-31-14-99 ~] # vi Syed-Sh

Huser variable

name=phiya

val=10

etho the name is \$name

etho value \$val

:
:uq!

Front@ip-172-31-14-99 ~]# ./syed.sh

the name is priya

value 10

to get input from terminal:

Froot@iP-172-31-14-99 ~]# vi Spal.sh
to get the input from terminal

etho "enter name" "

tead name

echo "entered name: \$name"

: w9!

Iroot@ip-172-31-14-99 ~]# . Isyed. sh

enter name :

Syed ibrahim

entered name: syed ibrahim

- another method

: [-P = Single plompt-

To print name on same line:

Iroot@ip-172-31-14-99 NJ# ví Spad.sh

ted -4 "enter name: " name

echo "entered name: \$name"

[toot@ip-172-31-14-99 ~]# . /syed.sh

enter name : ibrahim

entered name : ibrahim

To got multiple names:

[root@ip-172-31-14-99 N]# vi Syed.sh

4 to get multiple hames

etho "enter name: "

read names names names

etho "names: \$name1, \$name2, \$name"

:09!

Iroot@ip-172-31-14-99 ~]# - 1syed.sh

enter name:

syed anas mohamed

names: syed, anas, mohamed

```
10 hide password flom viewing:
 1001@1P-172-31-14-99 ~]#vi Syed.sh
    # to hide password from viewing
    jedd -yr 'User: 'User-var
    Had - 24 ' Pass: , bass
    echo
    etho "user: $user_var"
   also " pas: $ pas "
   :09!
  notesp-172-31-14-99 NJ# . 1 syed . sh
   user: syed
   pass: admin 123 (won't display)
   User: sped
   Pas : admin 1 23
 conditions in shell:
 [hoot@ip-172-31-14-99 ~]# vi Syad.sh
 #! /UST/bin/bash
 count =10
 If [scount -eq 10] # chalor if count equals 10
 etho "true"
elif [stount - 1+ 20] # chaks if count is less than 20
 etho "it is valid"
```

etho "false"

·Wal

E: -s = hider input typed by user

-: P = Displays a prompt message

before taking input]

[: without empty ahs. output will plint flom and line]

```
Iroot@18-172-31-14-99 ~J# . /syed-sh
```

```
String:
```

[Taxt@ip-172-31-14-99 N]# vi syed.sh

#! lusy/bin/bash

word = abc

if [sword == "abcerte"]

then

echo "true"

else

echo "false"

¿ w9!

£.

Iroot@ip-172-31-14-99 ~]# ./syal-sh

false

[tout@ip-172-31-14-99 ~]# vi Syed-Sh

#! 105x/bin/bash

word = a

if [["\$word" == "abcerte"]]

then

echo "true"

elif [["\$wold" == "ughia"]]

then

etho "try"

PLSO

etho "false"

8

2 w9!

[rast@ip-172-31-14-99 ~]#./syed.sh

false

Maleip-172-31-14-99 ~ J# Ni Syed. sh #! /US+/bin/bash ello -n " FIRST the name of the file: kad helo If I-e "shello"] [:. e = chaks the file, etho "shello found" the shello not found " : 49! [HONOID-172-31-14-99 N]# 15 syed. Sh [last@i1-172-31-14-99 ~]# vi [hot@ip-172-31-14-99 ~]# 15 spd.sh file 1 [twt@10-172-31-14-99 ~]# . / syed. sh

FINA the name of the file : files

files found

```
[toot@ip-172-31-14-99 ~]# Ni Syld. Sh
  # 1. /USY/bin/bash
  etho - n "Enter the name of the Dilectors"
  head hello
  # chak if h's a diletory
  If [-d "3hello"]
  then
    # cherk if the directory has write pamissions
    IF [-w "shalo"]
    then
      Alho "you can type some data into a file inside the director, to quit,
            Pres (HI+D:"
      # cheate a file inside the directory and append data to it
     etho " FINER file name to save data: " # ash user for file name
  Head file-rame
    Cat > "$halo 15 File_have" # (Heate or overwhite the File like divertoy
  else
    echo "The directory does not have write permissions."
  6
  the "Dilectory " shello" not found. "
 : w9!
[tool@ip-172-31-14-99 ~]# mkdir folders
Drast@ip-172-31-14-99 ~7# 15
 syd.sh folder 1
[100+@ip-172-31-14-99 ]# . /spd. Sh
Enter the name of the director; follers
```

you can type some data into a file inside the disertory . to quit, press (tit):

sample-file hi from Sample 56 DWI OIP-172-31-14-99 J# cd folders [WIQIP-17-31-14-99 folder1]# 15 sample. file [INVERIP-172-31-14-99 folder 1]# CAT SAMPL- FIG hi from Sampb- Filo 10gial operators: (Rx) Datoip-172-31-14-99 ~J# Vi Syal.sh #1/151/bin/bash 290210 .: can also write as if ["sage" -gt 9] && ["\$age" - It 30] if ["sage" -9t 9 -2 "sage" -11 30] then etho "valid age" etho " age not valid" : 69!

[wto1P-172-31-14-99 ~]# . / syed.sh

valid age

[taot@ip-172-\$31-14-99 ~]# vi syed. sh

hum=60

IF ["\$num" -9t 18] 11 ["\$num" -1t 30]

then

etho "valid"

aho "not valid"

R

: w9!

[tot@ip-172-31-14-99 ~]# - 15404.5h

MIEN

Arithmetic operations:

num1 = 20

Num 2 = 40

echo \$ ((num1 + num2))

etho \$ ((num1 - num2))

etho \$ ((hum2 * hum2))

echo \$ ((numa / numa))

output:

60

-20

800

[: can also with

IF ["\$norn" -9t 13 -0 "\$norn" -9t

(01) etho \$ (expr \$num1 + 5num2)