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BASH

Bourne Again Shell

→ 1989

Sh dile extension

1) stants with #! Ibin I bash at start of lile

1 #1: known as she bang

To nun a bash file in Terminal use

1. bash dilename sh

2. move to the directory of your lile, then use > . / dilename. sh

Chrod +x filename.sh Change the file

I dilename .sh permission to

execute also.

>> Which \$SHELL

T gives your shell type (Ex > sh, bash etc.)

>> echo " Hello Wohld"

1 prints given thing between " ".

>> sleep 2

Gives delay of whatever time mentioned in Seconds

(in this case 2 seconds)

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>> name = "Yash"

"t value > Yash

To use this variable in your script use + \$ Varname

(in this case \$ name)

>> read Varname

T gets usen input and saves it in varname.

SEX > read Age: gets usen input and

Stones it in vaniable Age.

>> name = \$1 > + bank

1 positional Argument

when you non . | script. sh " "

whatever you pass here

gets assigned to \$1° and

hence to Vaniable attached

with \$1°

(an also use multiple positional arguments (Ex → \$1,\$2,\$3)

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>> Who = \$ (whoami)

the tenent Transport of thefund

who ami is a command which tells your
your users, hunning it like this
runs the Commands and stores it
to a Variable.

(in this (ase to 'who')

>> \$USER

T gives your user

>> \$PWD

T gives your (unrent working directory

>> \$RANDOM

built in variable, gives a random number

>> \$ HOSTNAME

T gives your hostname

the of how my sound torong in

see output in your terminal, just doing

Variable would not give anything

Ex → echo \$USER

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>> name = "Yash"

>> \$name

you (neated a variable 'name' and assigned it value 'Yash', you can check your variable using \$ name

and it can be used throughout your terminal, but still not in your Scripts because its not permanent and gets deleted everytime you neboot or me-login-

>> export name

used systemwide in any Script, until
you neboot your machine or relagin
to your terminal

FREEZED DE TRANSPO

To make it permanent Jonever you need to edit the bashoc dile.

edit the bashine file (its in your home dix)

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export name = "Yash"

Save and exit, its don Jonever now!

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>> echo \$((2+3))

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doing math using terminal

Con do all anithmetic operations as you do in any other language

+ > Addition

- > Subtraction

1 > division (no memoindex)

* -> multiplication

** -> bomes

%. > division (gives nemoinder)

>> echo \$ (CRANDOM 1/10))

1

gives a nandom number between 0-9.

2001 bolzon KK

%20 → 0-19

1/.30 → 0-29

etc.

