

(point output) (speak output)

```

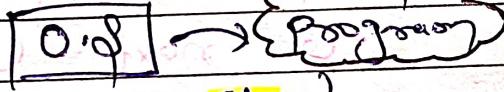
# echo hello
# cSpeak -y (point output will speak)
→ go to steps & output will be text.
# cSpeak -y hello
# date | cSpeak -y
① → pipeline. → pipe symbol
→ Convert Text to speech → TTS.

```

Session - 2

* Before install any OS we need - RAM, CPU, HD.

Red Hat Linux



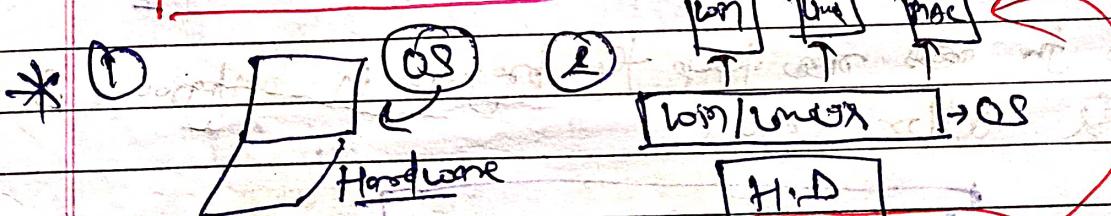
Watch date Cdate say for 2 sec change

watch -n 1 date (not run same time)

cat → we want cat keep on running & other will work

Platform to where
install OS.

RAM / CPU / HD



Base - Metal → Virtualized

→ (real box) → (2 os on hardware)

② Cloud Computing:

④ Docker (Containerized)

* Here we are using Vmware virtual box.

* [root@localhost ~]# date
→ (Cont prompt)

* We need prompt to run our command.
sleep 5 → (Stop for 5 sec)
firefox

- It will open firefox window & till the
firefox window not closed the prompt will
not run any cmd, after close the prompt
(the next cmd will start running)

* How to close any running program by CLI?

left control key + C

= Close the program.

* How to keep the program in background &
use other cmd?

left control key + Z

pg (go to background)
[ctrl+Z] → pause the program & put in B.g.
→ (Close which is stopped)
jobs

fg 1 (Start the paused program)

(ctrl+C) → Stop

#firefox
(ctrl + z)

#jobs

[1]+ Stopped.

#fg 1

only
[ctrl + c] to stop tipos

"of all"

* How will our program &
put m to big & run the next
other cond. → in branch

#firefox &

put program m big in summary
state.

#fg 2

[ctrl + c] jobs #

* #if config → To check IP address

#if config enp0s3

slow -ip04

echo "hi"

echo "Date"

print of a string

echo -e "\date" → back code

Print this as a cmd

echo -e "hello"

that give new line

echo "hello\nhi"

hello\nhi (escape sequence won't support)

echo -e "hello\n\hi"

hello (escape sequence unsupported)

\hi (key to give escape sequence)

echo -e "hello\thi"

hello hi (tab space)

echo -e "hello\bhi"

hello\bhi (back space (remove, back word))

echo -e "hello\tai" (tab & word)

echo -e "hello\b" (remove char 0)

echo -e "hello\b" (to 1b)

hell[root@localhost ~]#

-e (remove new line), -e enable, forward specifiers

& now run
 echo "Hello" *
 hello
 press enter
 if echo "Hello\b"
 hello\b
 if echo -e "Hello\b"
 hello
 (backslash escape won't work)

* # cat 4 2013
 → how we have to know where to give month, year, etc. in which format.

* # date
 → All 99% tools have manual
 → (manual / codes of date)

* # date
 → here we can see the
 → format. Enclosed after
 → % → to get day
 → # date +%d → day
 → # date +%s → time
 → # date +%T → hh:mm:ss

* If we have requirement and we have multiple cond's
 again & again we can do it in small script
 # edit my work

scripting file	date cat date date +%T	# bash mywork → All cond. on. # bash live date → live date trace
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* Create a program having live date & time.

#date 10:05:09 -0400 Sun Sep 10
date +%T
19:55:48

→ Our requirement is to clean the output on screen & print next, then it is look like first output come clean then 2nd output our life like type of things we can achieve.

echo \$(date '+%T') | tee log

~~#echo "'date +%T' | b6b1b"~~
19:57:03 13/16/16 → fourze 16 → ~~09~~-e

```
# echo -e "\`date +\%T\`\\b\\b\\b"
```

```
# echo -e "\date +%T |sleep 1 |b|b)b|b|b|b|b"
```

→ But time is O(n²) as every time is kept on every cell hence to use while loop.

while:

240

```
> echo -e -e "date +%T" sleep 2 | tail -n 1
```

~~> done~~

20:00:49 → 52 → 53 (Changing output. Only
brief moment in 1 sec.).

```
# while : ; do echo -n -e "'`date +%T`'`sleep 1`  
`b|b|b|b|b|b|b`"; done &
```

Col 20:01:57 (now he can use also other cmd's if will agree)

* Here we are using multiple cards ~~already~~
So we can create a script for this.

gedif mytrop

→ We can use fine ~~perceptual~~ ^{semantic} features to identify words.

→ We "fondly" look up into the "ambush".

• ~~different types of~~ different ways to eat fruit
• ~~different types of~~ different ways to eat fruit
• ~~different types of~~ different ways to eat fruit

Wetenschappelijke naam: *Trichostema dichotomum* (L.) Benth.

"skidaddles" Peedie's "fix up" - re edit < abc

~~Early stiffing (second) recd → approx 10%
Subsequent find~~

15 de 18!! TNE shot "e" - re-sets up as elated !!
- 8 shots in 10 min. 100% correct