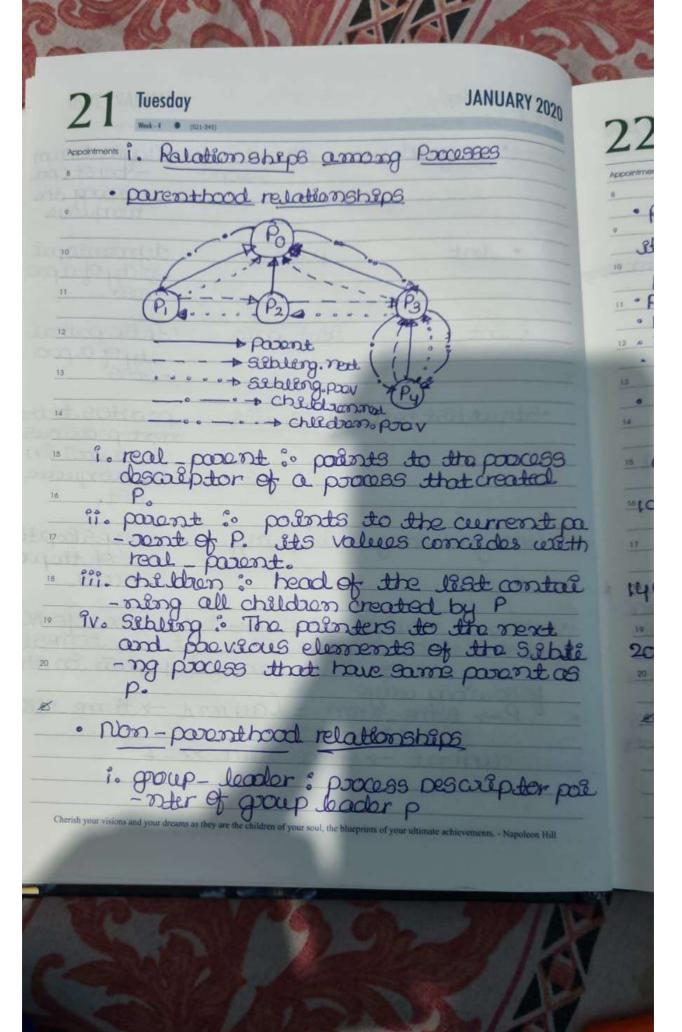
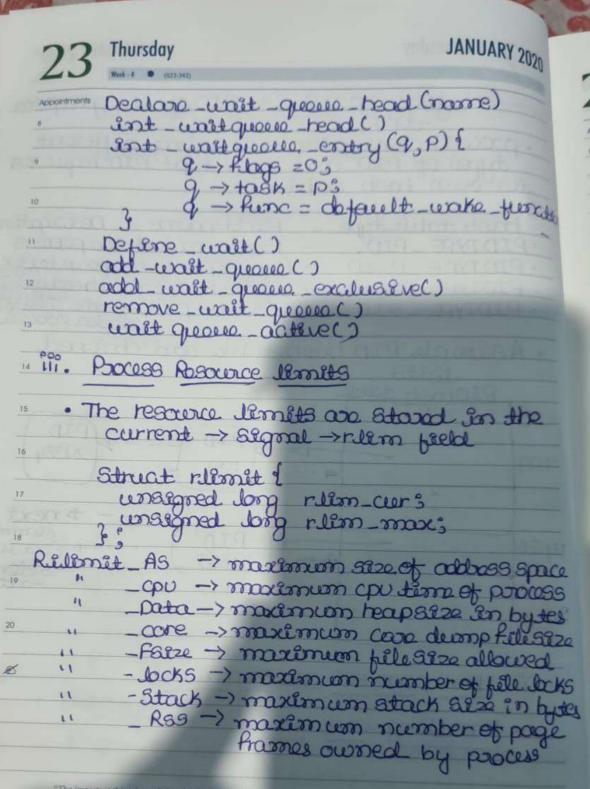


Go to the core, theories are useless



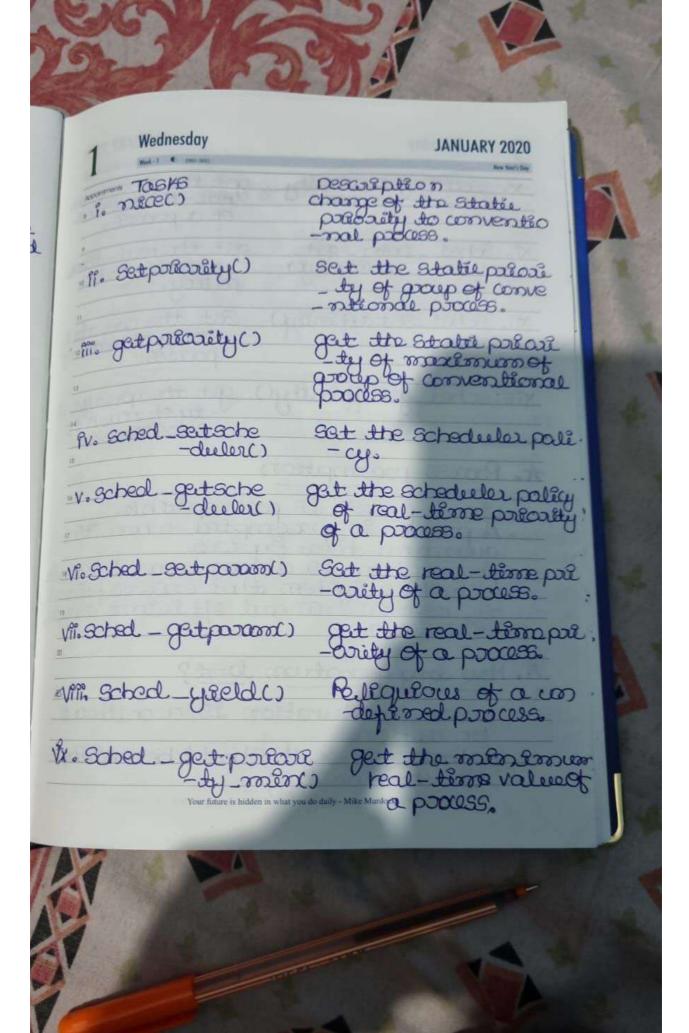




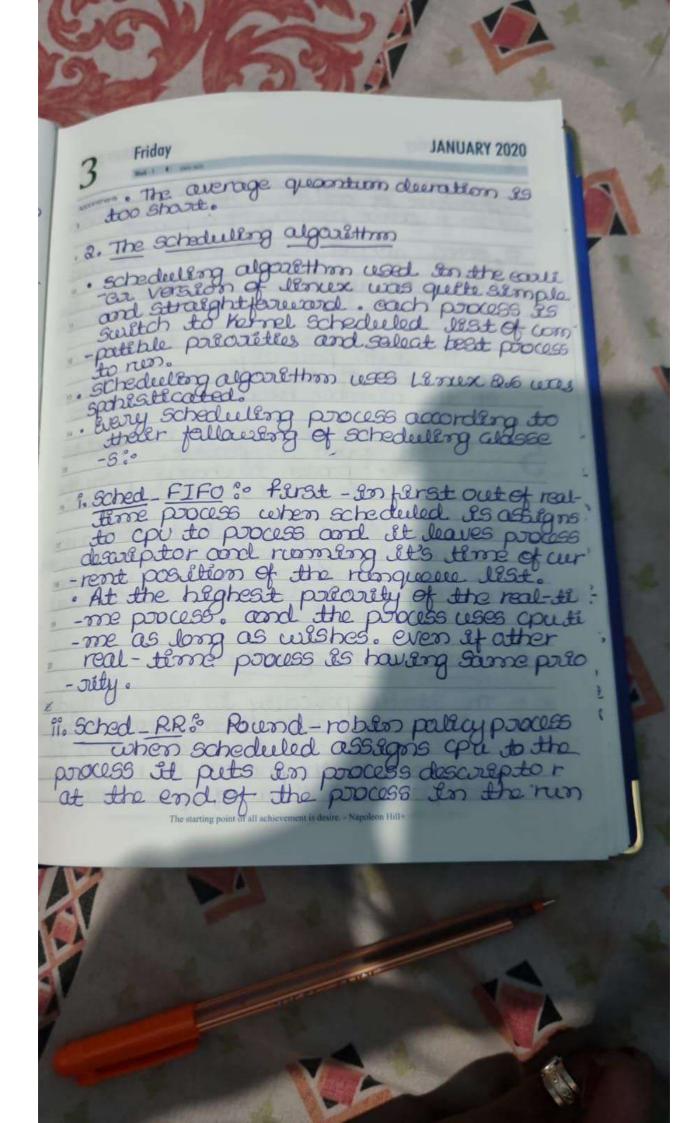
"The important thing is not being afraid to take a chance. Remember, the greatest failure is to not try." - Debbi Fields



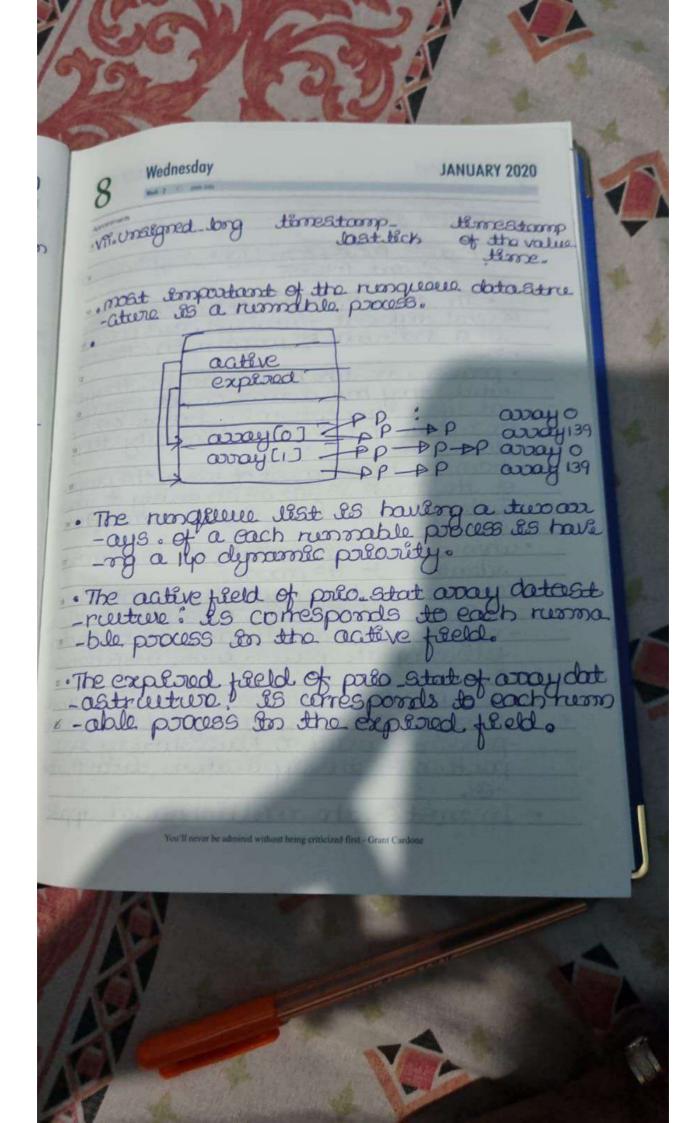
## I Poores scheduling 1. Sheduling palley : · set of rules used to determine when and have to run new process is called a schedu - ling policy. - linex is based on time-sharing technical on time and several process to run on time mul - tiplexing" because operatione is divided in -tiplexing because of the runnable process of course of single process is on one process at given instant of time. Scheduling policy is based on ranking proc -ess according to their priority. Linux process priority is dynamic. Scheduli -no policy keep track of what doing adjust to their accreding priority presodically. A. aloss of process There are 3 types of abost of process i. Interactive process ii. Batch process iii. Roal- Lime paciss

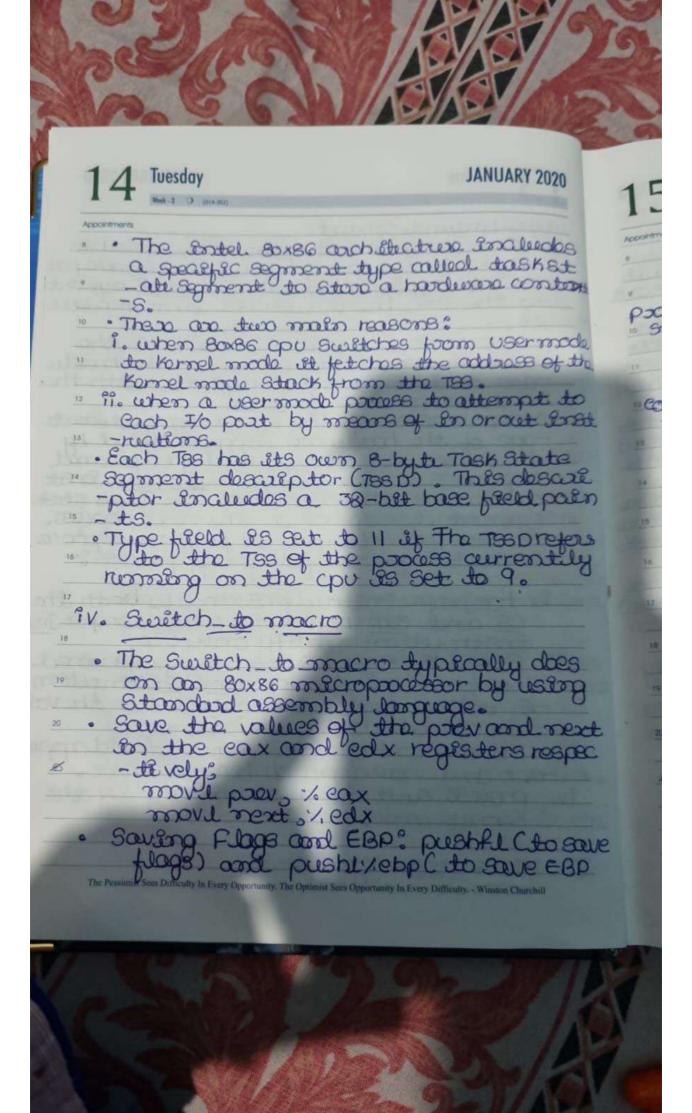


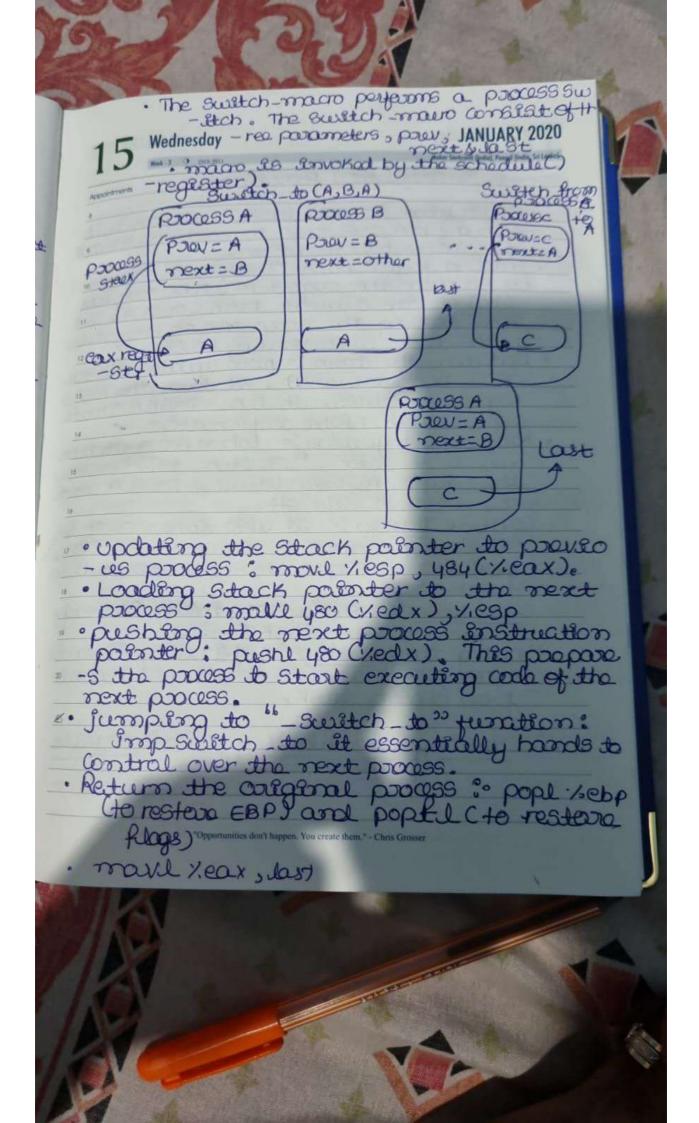


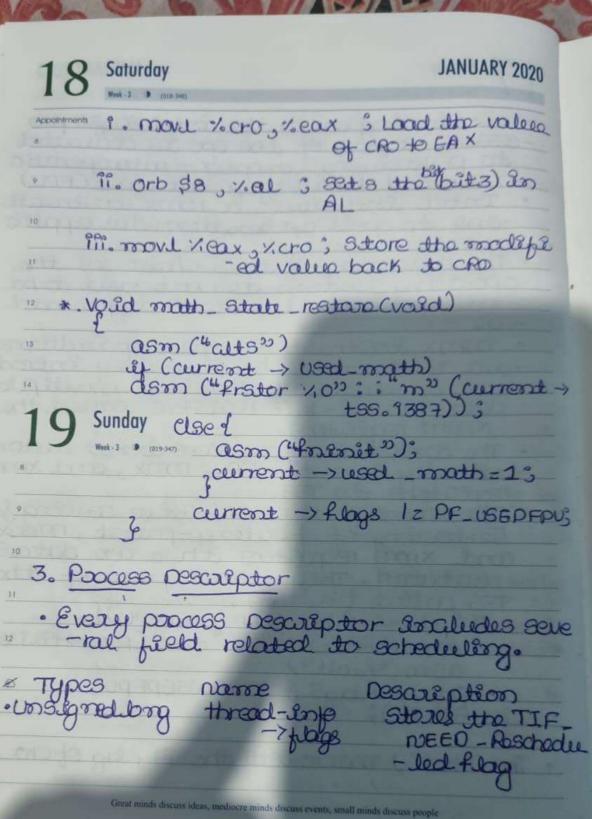




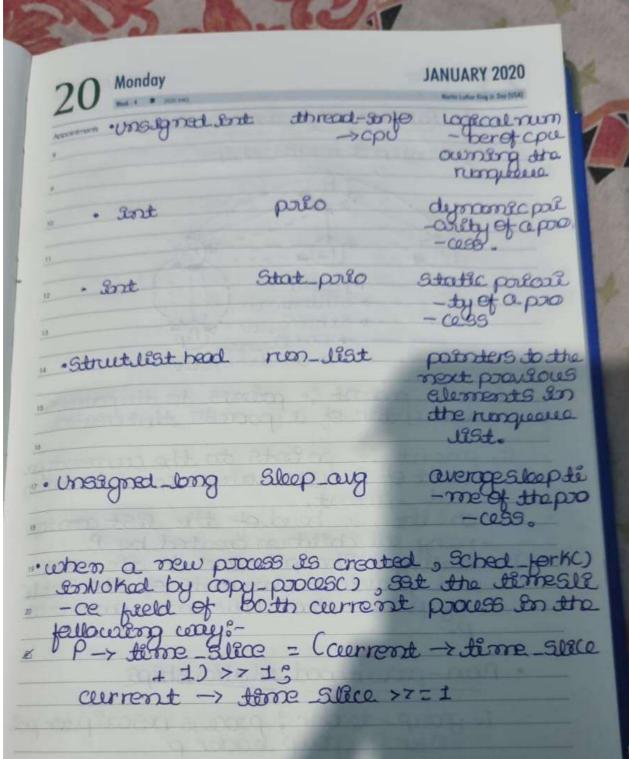






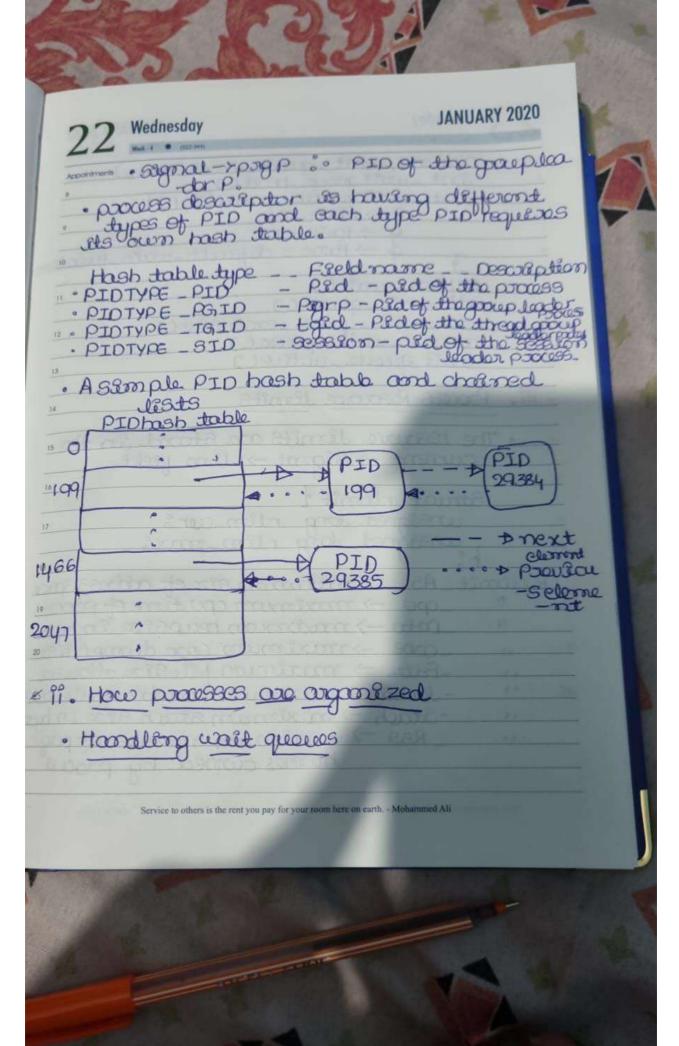






You can tell whether a person is clever by his answers. You can tell whether a man is wise by his questions - Naguib Mahfouz





25 Saturday

most references to the terminating procise from the Kornel datastructures. Rece--ive process termination code as proometer.

i. Satting PF\_EXITIFING.
i. Satting PF\_EXITIFING.
ii. Calling del\_timer\_Synchitemation
iii. Detaching data structures
iv. Decreasing Usage counters

iv. Decreasing usage counters

v. Setting exit - core field

Invoking exit natify() function

- up.

i. updating parenthood relationships
ii. checking exit signal field and it
process is but in thread go

26 Sunday

Republic Day (India), National Day (Australia)

iif. checking exit\_Signal field and if grap has other processes.
iv. setting exit\_State field to EXIT\_
DEAD and invoking release\_task()
if process is not being traced.
v. Setting exit\_State field to EXIT\_20
-mail if exit\_signal not equal

· Invoking Schedule() function.

ii. Poocess Romoval

Steps In release took() function

"It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change." - Charles Darwin

JANUARY 2020 Monday to user owner of terminated process.

Removing process from parace childre n lest and assigning parent if beil -og traced. Issoring -- exit\_signal() and exit\_its Invoking \_\_end\_33ghand()
Invoking \_\_unhash\_pacess() i. nr\_athreads fi. Invoking detach pidl)

fii. Invoking detach pidl) ogpin if

process is thread group leader

fv. Using himove Link macro.

sending signal to natify process death to paront. · Inioking sched\_exit() twoation · Invoking put task struct(): it count Decrease dage counter and release counter=0 deta structure if unge Reliasing process descriptor and 5. creating Process · Unix operating systems do, process creati -on to soutsty user requests. for Example the shell creates a new paces's that exacut - another copy of the shell whenever the user enters a command "Fall seven times and stand up eight" - Anonymous

in modern conex Kernel salve their pro blem by tentrodenting throw deflow - nt Kornel mechanismos

the parent and the child to read the Son -è physical pages

· Lightweight process? albusithe parent -3 Kernel data Structures, Such as the many tables, the openfile tables and

Vironce system call creates process that - shares memory adoboses space to paren

To prevent the parent farm the over - ting data needed by the child, the ld exists

ii. The above(), tork() and vfork() system

- -ed by the new process
- points to plata passed to the
- · child stack : . spearfied the usermo -de stack painter to be assigned "Believe you can and you're halfway there" - Theodore Roosevelt

to the esp register of the child poccess.

. the : meaningful only of the alone\_

·ated: meaningful only if the alone \_ child estated flag 33 93t.

· abrecs: is actually wrapper function defined in C lebrary:

## The do-fork() function

- The do-fork() turntion, which handles the above on the following parameters:
- i. above flags : Same as the flags para
- 11. Stack Start : Some as the child stack parameter of the above.
- purpose registers sourced into the general made stack when switching from the usermode to Kernel mode.

iv. stack\_size : Unused Calways set to

"The best time to plant a tree was 20 years ago. The second best time is now" - Anonymous

30 Thursday

some as the corresponding ptid and chied parameters of the correctors.

the money will end up following you." - Tony Hair