



what is operating system?

omputer and the computer handware

What are the goals of 05?

- Diving user programs & making solving user problems easier
- 2) Make the computer system convenient to us a
- 3) Use the compoten handware in efficient manner.

os is a nesounce allocatore

Control program making efficient use at Handware and managing execution of Usen program. what are the components of computer system?

## Four components.

- A Handware (provide basic computer nesource)
- 2) Operating system ( controls doondinates the use of handware
- (3) Application programs

@ Usens.

among various application a users)

(define the way in which the system nesource and used to solve comput: ing problems of users)

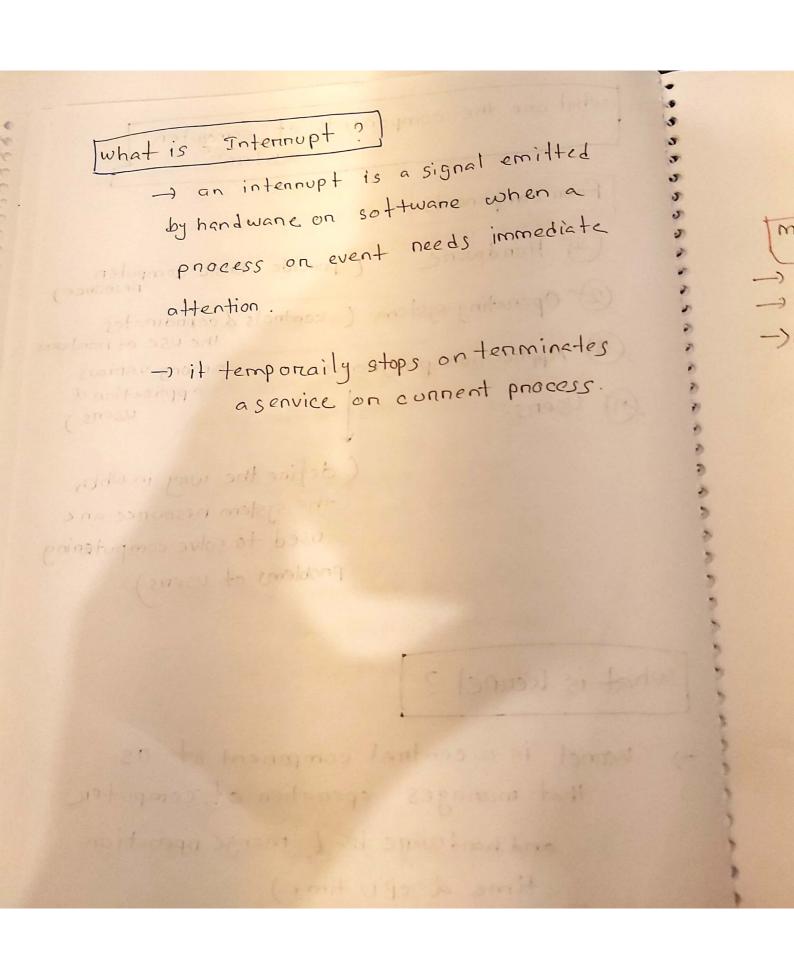
## what is kennel?

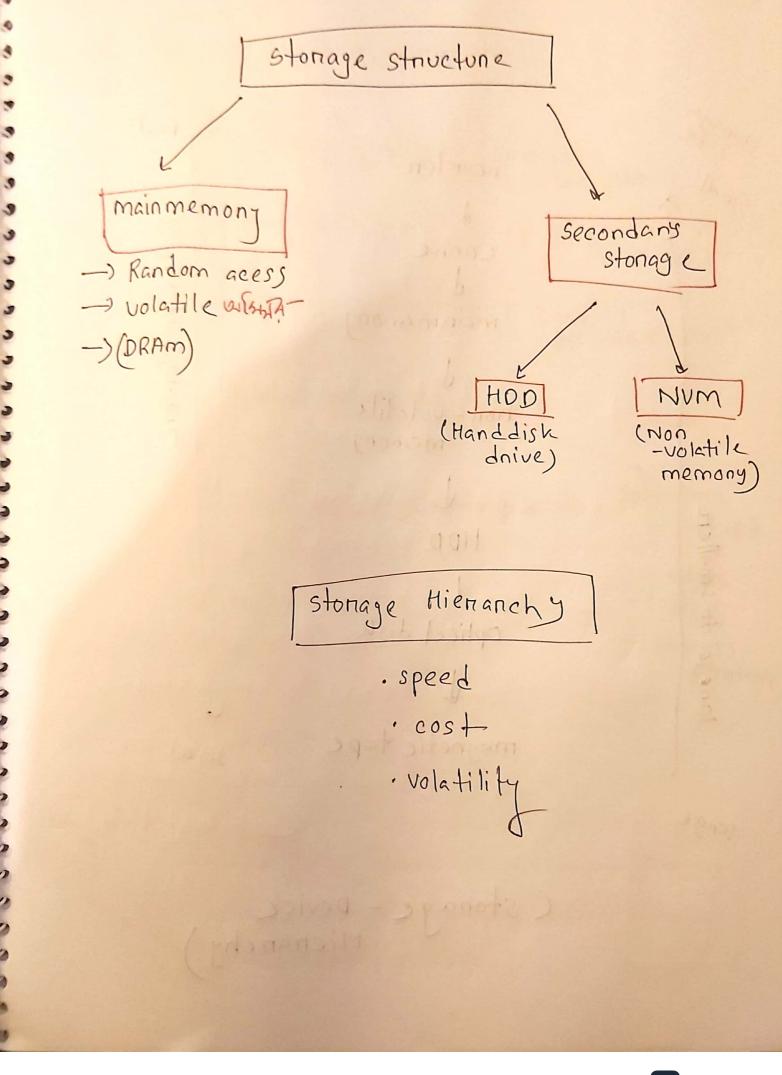
-) Vennel is a central component of 0s

that manages operation of computer

and handware the ( mange operation

time a cpu time)





Fast negisten fasten to slower Cache mainmemony non-volatile memony Ion ge to smaller HOD optical disk magnetic tape 310 W lange (stonage - Device Hienanehy)

It operating system operations 1) Bootstrap program (initialize the system) 2) Kennelloads 3 stant system daemons ( services outside kennel) kennel internupt driven. Softwane Handware interrupt internupt JOHNS C -) process problem

## what is multiprogramming?

- -) when multiple program execute at a single device
- Jobs (code & data) so that cou always has one job (to execute).
- -) a subject of total jobs in system is kept in memony
  - -) one job is selected and run viz
    - os switches to another job

05 Process-1 P-2 P-3 P-4 .: This is called multiprogramming (batch system)

## what is multitashing?

- multasking in os allows a usen to

  penform mone than one computer

  task (such as the operation of an application

  program) at a time.
- -) use cpu scheduling, to non several jobs at the same time
- -) a logical extension of batch systems where s cpu switches job frequently so that user can interact with each job while it running.

(time shaning)