It is also a hardware manager manager at the restrict water to speciating system, their text were no percinated software to perform text. In the you were to perform the text in the same of execute the text in the carried to perform the carried to perfo mat will give what bettput, what noneges all con deaktop, everything. In shout, moneges all - ter system - operating system. (Resource Manager) = monoga au the hardware resources of a computer All the operations going in computer are lookent?

by os interface blue hardware and sperators.

Taking inputs from operators and instructs the the test light everything (frocess manager) contain moles and electricity is passed through .

it, if note mas closed, itwise taken as I and c Manage input. excute input. system to give an output. Punch and was a card used esurier lowing wat four that execution also. Computer operating system. [(05)

the data wer consulted to binary.

That time only hardware wer their and whole execution was to done by people.

But nowedays these execution are done by

Through 08, the speed is increased and system has become meltitarking.

The withmate thing from converting elsewinput to system output that were seed hardware, and still it is that where system will be no kAM.

Show output, if their will be no kAM.

Where code memory will be no kAM.

Where code memory will be no kAM.

Where code memory will be no kAM.

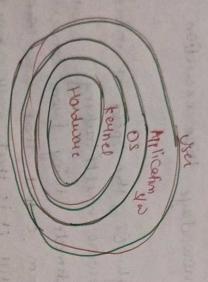
Speed than out system is a software and it is hardware observent. softwares are always intermed in some memory which have light speed memory of kAM.

Speed than out hard memory is national cache is a reflected in registered memory of kAM.

Coche is a pure plusical memory whoshe is not some their and memory of the intermediate and the pure plusical memory.

Register at Fewer than chacks.

Os is installed over handware, and other deplica. tion is installed over operating system.



Os to agas temes re baat kanni hou to ketnel

Ki somment padegi.

Operator give order to keeped not directly to

hardwar.

BIOS [Basic input output system].

* Examples of well - known Os

1 Mobile 05: Android, 108, Windows

2. Embedded System OS: - jisme puedefined hoster had somet change anything, paule count change anything, paule chapt phone one all.

3. Real time OS:- HRT , SRT

[Hard Heat [soft real time]

es down a censary of tichus time pe hi chize execute vati 18mic, ex down

ナース

4. Derktop OS: Personal software.

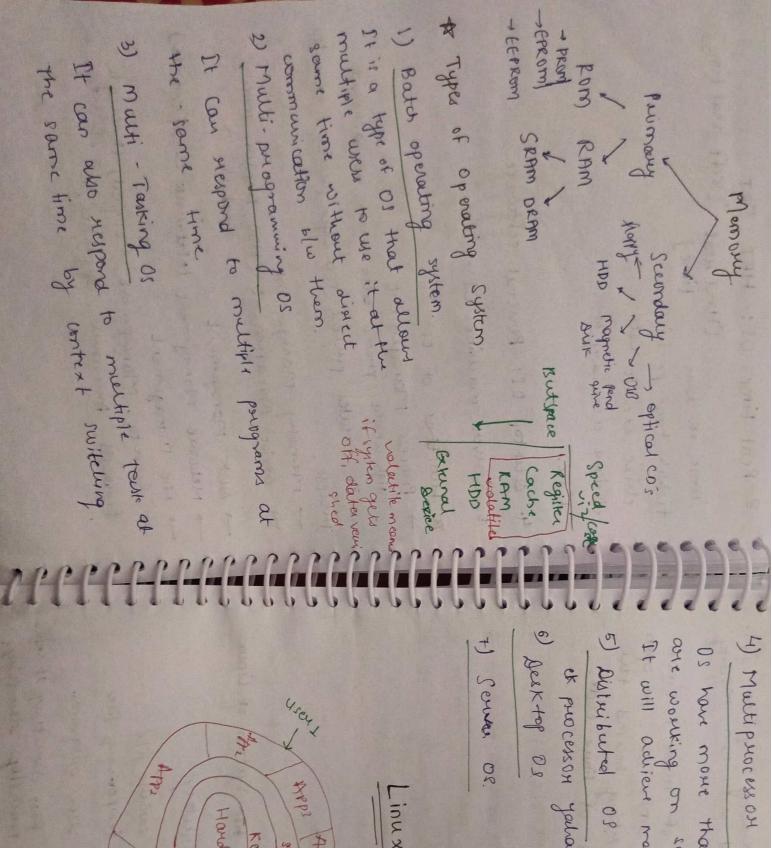
5. Souver madine 08:-

to Functions of oc:

Process Monogement It cutates process, manages process, executer light weight process also known as pthrough

Aerice Management (HDD, Printer, Monitor,

Fixured, Antivious, Spywitter, etc Network Management. (Network card controller) DUK Monogement file Management



4) Multiprocesson 09 one working on some physical memory It will advised man throughput. Os have more than one execuser, but they

ex processor youralier to alliera tali au

TAPP3 Linux Handware

wailable free to use and unon con modify

to according to its need.

obvarous It is an evilable since 1991. An open source community is working believed the updates of linux code. The founder of linux is Linux

- features

- 1. No cost | Low cost
- 2. Multi Heuking
- Security
- 4. Muti-uses
- Stable and scalable
- Metworking
- 7. CLI as well and CHUI
- * Working with basics file system of Linux. 8. Better file system.

I Wash) is a root directory

User binaries / bin System binaries / sbin

I var variable file

purer info. I proc berice tiles I dem configurationtile / etc + top temporary files home post discustory of user friendly discretory: Mr wer programs

* Commands

I pud - present working directory. ·Ex: nano abc. bt nano - editor

than it will create that of obe file exist it will open that, but if it is not

- 2. Is list all the files and directory.
- 3. touch creates the file
- a. mkdin makes directory
- le -1 -> list au files with one of death like permise ion

permissions: list

write a Read v

excente x

Junes group other

6. Chomod - to give permissions to file 6x: chmod at wx file. txt if - then polimission hatana hai ar all men nemo = n of a drond

+. clear - Its clear from scheen.

or other

8. cd - change distectory

3. Col directory rame / -> espar dussi directory me

He disectory rame - It will the file of the disectory. The disectory.

Amount directory name - to delile particular

2 Hoding new wen

* sinter population of the *

s To change owner of a file

* chown Bundingme filerame

* suds chown sunctrount filanome

in. In smith men

Su man home

thus, most we go pourintions to a different we at it is a set in most we go a different we set in a fine the fine sudson.

Some name sudson.

Company of the fine pre-liberation of the sudson.

Judo Jum -x - A deadly combination

* head -5 filename - It will show 5 lines

* head filenams - It will those up to to lines

* head filenams - It will those up to to lines

will not show it is defended.

As cont - to display content of file an consider

toil filename - to display bottom lines to

* (at > filename -> cheated files and open it is a console.

* PHOLEM Management

- Uson mode and knowned made (System

* System all types

1. file moderal colle - Read (1; white (1, Below)

2. PHOCESS Helsted Call :- New (): Forker: Britts:

Device Kelahed calle: Koall, inctl

it will be sawed.

4 Information related calle :- get fid; get time,

Immunication related calling weiter, signally steetus ()

PHOCOS

It is executable information which help the processon complete the use tous on code on duta to execute of

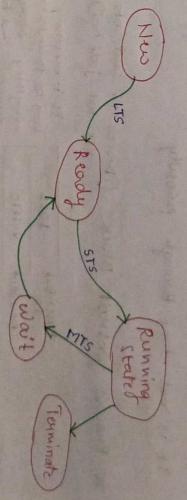
- units of process

- I code signent Data segment
- Information signent Memory
- 1 (ade segment It consist of code an data which help the by occurrent to exempt and.
- 3 Information segment. It consist of data nequined Data sigment for execution
- on system which help It have metadouta about the system rewidile in the process

execution.

Phocess Likelyde

- New state
- Ready state (Ready Queue)
- Terminated state Running State - Processon is executing process
- Woult State



All there are dunc by process scheduloss

- Types of process schoolward

Shout TS (STS)

Midium TS (MTS)

we gan su bas weren't jak ex present was iller wigh paint Stannaction north ord iney 30 500 7 it will I to Comy is ・ろぎょ - ling b (tawati

in non-p 50-64

2. Non pre-Emptive Scheduling is known as pre-emptive scheduling. axes high privality valoces in execution If one process in under dexending and apr schooling Algorithms. & Process Control Block. (Process Ki souri info PHE-Emptive scheduling It is not done through priority Parent-CountyPC Accounting file.txt,abc.text + Stireouts Allocated keyboard, moure reinte+ Register. State + Oxaffo 40 FFF Ready A, C. D 1001 PCB PI princess, and for for os to undersiona photosyd to exempt It is not essary frysoms 1! out there athib-s (1) Fight come fight source A Non - Pric - Emptire Scheduling @ Shout Job First known denge pay waste execution be time jo other pulsees quere me white se dektory with waiting time = CPU allocation - Danival time Ang. @ weiting time = sum of all wit / No. of process burst time legg hoi, jiska brent time sable sable petile jo priocess on joylegi ciko Execut? Tat time = bogg no schedule ho joured Author Titos Buttime compiction time Artival Time Burnt Time would TAT time 15 17

In subund shake a fixed slice of time is D Round Robin Algorithm Fixed size participing. - How the memory is divided known as fixed size postioning office jayeging variable size partitioning. Help. is known a questium Sinded into fixed size blocks where an blocks: The process which will get the memory orange be small on equal to the pountaining black size.

- The process which will get the memory black size.

- The the process cize may be smaller than black.

- It give such to internal frequentestion. The memory of computer systems con again no process to divided into block of fixed size airian kon ditar 4) prinouity * Memory Management. one of sizes like 2 bytes, ubytes , they in I Abor buocers

2-gyte Ki had on

1 hyte, had on

Ko ho wall black fragmentation.

In variable size partioning, during configural allocation, the size process required in me as is available in it but will not assign memory, this is called extensed fragm

- Means of memory we brocks at we beck the Challing internal walter realis

of Non-contigers memory allocation.

- means memory adag along block we will

Salcte noi.

* To solve external fregorientation, the can do compaction

compaction means, memory me jo along along block hai who compact hards ex toral and then khadi space contigent wall process mequired to de clo.

Pr shyte

R shyte

R shyte

members.

The members of the members.

* The compaction is a very complex and time taking