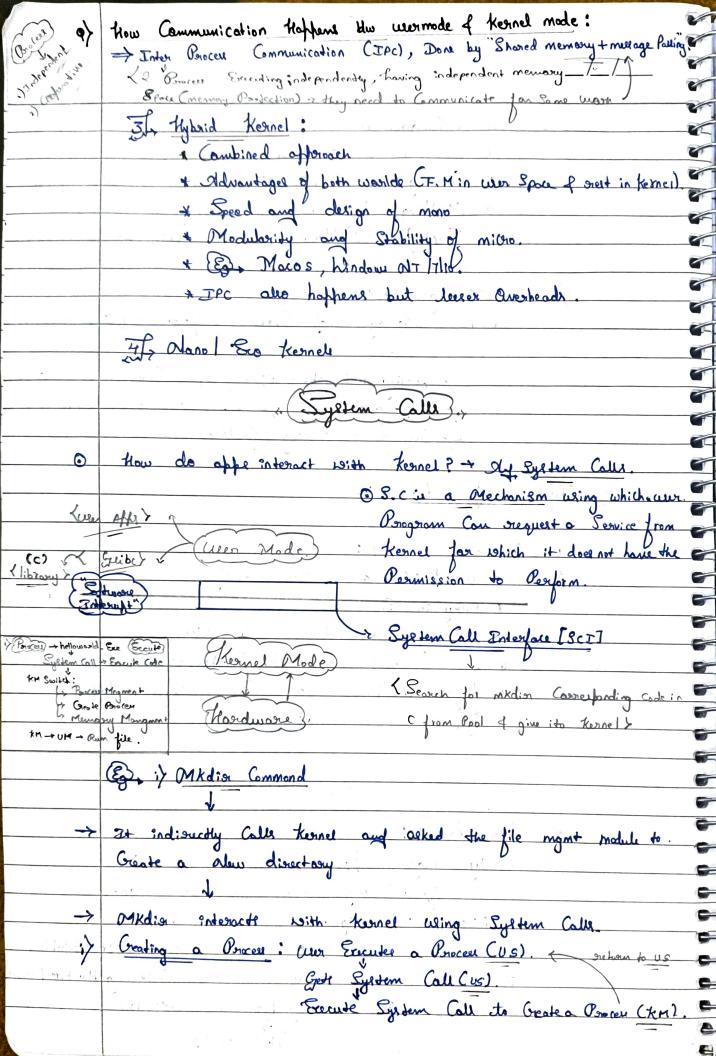
3	Componente of 0.8
• • • • • • • • • • • • • • • • • • •	
	Cache Memany:
•	Zt is a Small, high Speed Storage area in a Computer
-0	the Cache is a Smaller of Joster memory that Stores Copies
-5	of the data form frequently used main memory locations.
	* C.M is much more fast than main memory (RAM).
_	* When CPU need dator it I st Check C.M if not main memory
	a reduce the arrange time to access data.
او	Componente:
	i> Kegned
	i) Keenel ii) Wen Space
P	
4	

	Kernel 30.5	Ť
		I
1	Hardword — —	I
.\	Uler Space:	1
		4
	+ where application Software runs, apply don't have accounts	4
		t
3/	+ Provide Convinent environment for wer appr.	
* Mkdin (CL)	A P P P P P P P P P P P P P P P P P P P	1
* Newfile Cquz	). CLI - Command Line Protesfale (Torminal, Cowershell)	Ī
,		Ī
2/	Remet:	T
9		1
,	* Heart of 0.8/Core Component.  * It interact with direct handware and perform more Guid	#
	* It interact with direct fordware and perform more Guid	4
	take.	#
	* Very first Port of as to load on Start-up.	#
		#
الي	Cin - de la Caracteria	
	Shell - Known as Command interpreter is that Post of a. 8  that receives Commands from were and get them	
	that receives Commands from user and get them	T
	Executed,	4
		7 -
$\rightarrow$	Functions of Kernel:	)
		1
	of Parcon Management:	7 7
V 14" 4 1 /2 /3	* Scheduling Perocesses of threads on the CPU,	i): I)
	* Greating & deleting both user and Tystem Process.	11
	* Suspending of deleting (Greenming) Processes.	J.
1 411	* Provide mechanism for Posces Synchronization @	Ď
, ,	Provide mechanism Jan Process Synchronization and Process Communication.	T)
Ty.		ĵ)
	~ M M	D.
		11
	* Allo cating and deallocating memory space as for need	0
		ט ט
	Currently Theirs used and by which Process	ט บ
		D
		2
		77

	transfer of the problems of
9	Stome diserting in
2	
2	
9	of File Management:
9	* Greating of deleting tiles.
•	* Greating of deleting dissectouries to arganize files.
\$	* Maffing file into 2° Storage
	* Greating & deleting dissectouries to arganize files.  * Moffing files into 2° Storage  * Bockey Suffort onto a Stoble Strong media.
9	
•	If Ilo Management:
	* To Manage and Control To operations of Ilo devices
Paint S	pooling of Mail Spooling + it Spooling + 2 John + differing Speech (data copy blue 2 device)
youtube	Video bullering + is Rullering + within I Joh (landing of data)
	Video buffering + ii) Buffering -> 19ithin I Job Cloading of data).  +ii) Caching -> Memory Caching, Web Caching
	The state of the s
	Tuger of Kernels:
	Types of kernels:
-3	Monolithic Keenel:
-9	* all two (4) are so Kennel iteal
-9	* Bulky in Size.
	Compile + Momony sugained to sum in high.
-2	* Less reliable, one module Grasher - whole Kernelis down.
<b>a</b> /	
	milité + High Performance as Communication in fast.
-2	* Ed. Linux, Unix, Ms-Dos. (No overboad)
-	True made and Kanad Made Price - Political Cale Ali
	Cum) Chm).
	2) Miono Kennel:
2	
2	* only major functions are in Kernel;  1) Memory right is Process Nymt
	·
	* File of Blo Mymt one in wer Space.
	* Smaller in Siere * more reliable * Most Stable.
9	* Parformence us Slow * overhead Switching blu kind u.m.
9	* (Eg) LA Linux, Lymbian O.S, MINIX.
	E Nokia Keyrad &



3	" X Software Intervent is a mechanism
2	"> Software Interrupt is a mechanism  used by Software to Signal the  Brocewar that it needs it attention"/_/_
2	Brocewar that it heread in actions
2	" way for a Program to suggest a Service from 0.2/to signal emoi".
*	Transition from US to KS done they Software interrupte.
2	in the second of
47	Systems Calle are infilemented in "c".
	Property dead has Paragraph to Parling The Station
	user Programe - donot have Permission to Perform Ilo Operations
	- donot have access to Communicate with other Program
3	. S. c one the only way through which a Poroceu goes
<b>S</b>	from ven mode to Kernel mode.
	M. Barbarder, and M. J. Jan.
$\rightarrow$	Types of System Calls:
	The state of the s
	N. Parene & Costral:
	1) Perocess Control:
,	* end, about * load, Execute * Wait for time.
3	* Wait event, Signal event * allocate of free memory
-	* Greak of terminate Process & get & Set Process attribute
•	resolution and resolutions
<b>-</b>	2) File Mant:
9	* Greate of delete file * Read, write, Reposition
	x ofon & close lile + act & Set lile attribute
	y open of close file + get 4 Set file attribute.  (Socurity Paroccus).
a	David March:
2	3) Device Mgmt:
2	* request device, relace device * Read, write, Reposition
9	* get & Set device attribute * logically attachldetach.
_	The second of th
7	4) Information Maintanence:
9	* get time @ data, Set time @ data.
<b>3</b>	* get Set System data * get let Processes, file esc
2	J. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.
2	S Carrier Manager
	5) Communication Management:
	* Greate, delete Communication Connection
2	* Send, ouceine Menoge * townsfer Status information.
<b>7</b>	* attach   detach sumote devices.
2	
SERVE STATE OF THE SERVE STATE O	

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