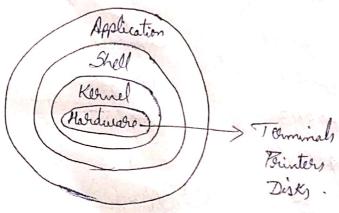
LINUX-Chapter-3		-
25/05/Dada		
about is Dy b/w 32-Bit Towcesson	64-bit Paccendrs	
O Addressable Space of 49 b	O A 5 of 1695	
6 64 bit applications / Thoghams went	Donost 32 Bit applications / Bragrams	
And Accommended for multi-lasking and stress Testing	Declear for multi stasking 6 Stress Testing	
@ Reguerer 32 bit O.S.	@ Both 32 864 bit 0.5 will work.	
(B) Cheaper	6) Expensive.	
6 Computer & to Jun office Computer Fasks.	(B) Can be used as pleasonal Computers and for video edition, audio cotiting Normer applications etc.	
1) It Can access 232 memby addresses	4 Grancing 64	M·A·
o) what & DIf b/w,		
specifications Core-13	Core-15	Core-17
OApplication Processos -> Entry land	Mid drange	High end.
@ Most cores -> 2	2 to 4	2 to 4
3) Frequency large -> 2.93 to 3.066HZ	3.2 to 3.466HZ	2,8 to 4 GHZ
O Tarbo boost -> Not supported	Supported	Supported.
1) Hyper Thereading -> Supported	olot supported	Supported
@ Cache -> 3 to 4MB	3 to 8 MB	4 to 8MB
	4	8.
	32 to 45 non silien	32 to 45 mm, silicon
	mid Garge	Best
	mid hange	Expensing
@ Price -> low . 0 bro. 1. 13-540	15660, 15: 750	17-920
· 0 brample -> 13-540		



Each of the major actions of the linux 05. It is hesponsible for each of the major actions of the linux 05.

**Monolithic Kland ** Micro Kernel ** Exo Kernel ** Hythid Kernel.

of Hardwared CPU, HDD & RAM. shell? It is an Interface among the Kornel and usons. It can sefford the sorices of Kernel. It can takes Commands Through uses and Juns the functions of Kornel. & Goraphical Shells. & Command-Sine Shells. of Linux 05. (1) Fortable: Can perform dy types of Hardware & the Kernel Support any 4/w. @ Hierarchial File system: Offords a typical file structure where user files or system file. O open source; 05 source Code is available Freely & for Enhancing the capable of 05. @ Multi Programming! More Than one application Can be executed at the same time. 3 Security - Security systems with various features of authentication Passud Torotection. Multiuser & More Than one user Can use The herource. RAM, memory or application.) Shell & unique Interpreter program. This can be applied for executing Commands of the 0.5.) Drawbacks of distalled -O Hardware drives: - nost faced Issue whileusing linux, various Companies of H/w 750fer Macrol windows to build drivers for Mac. @ Settemare alternative : M5 office, photo shop Many other Ital Software notavailable. (3) Learning Curue: Linux is not user. Friendly 05, Confilse many beginner understand Linux is complex.

(3) Grames ? Several games are developed for windows but unfortunately not for

=) what in Computer system BI as?

* BIOS & Basic Input/output system is the phygrammed a Computers micro phocessor.

At uses to short the Computer Nystem aftered as powered on. It also manages data a flow the Computers 05 & attached devices such as, the Harddisk, video adoptes, key board, mouse & printer.

of Tomes on self Test.

* Complementary metal-beide Semilandoci

* Boot strop loader

* Software / drivers

-) what is an 05 Interrupt driven?

An 05 in which the Interrupt Systems is the Mechanism for Insporting all changes in the states of Hardware and Northware Gresowies and Sach Changes are the Events that Include new assignments of these Iresources neet work-load demands.

) what is Interwet Handling?

Interrupts and their handlors. only those physical Interrupts which of high crough periority can be Centered into System Interrupt Table.

Triteshipt is the method of Oreating a temporary halt during Program execution & allows physheral devices to access the microprocessor.

=> Functions of Interrupt?

Enterough One Commonly used to service H/w timers, Transfer data to and from storage (og disk s/o) and Communication Interface (og VART, Ethernet) handle Keyboard & Mouse events and to Grespond to any other time Sensitive events as required by the application system.

of Linux directory Filerarchy? Bystern hie ranchy essential Command binaries that went to be and lable in single user made; For all users. Egt Cat, 15, Cp, Boot Loader Files, Eg: Konds; Device, Files go / den/ mull. /dev/disk /der/Sdal. Root/ bin/ dev/ etc/ user /home/lib/ Sbin/ tmp/ var/ bin / man/ lib/ local/ Share/ log/ lock/ tmp/ /bin -> birray or executable Brograms /tmp -> tempolary space / typically. lete -> System Configuration Files /usa -> uses related Fregram /home -> home directory, default / war -> log files. lopt - optional/3 and Party Shr.) Oreate a directory -> 'test' -> media, Cd test de Greate Files 'test 1. txt' & 'testastxt' >> touch Fules.txt, Cat > File 1. txt, Mana Files. txt s) everite the File tests txt & tests txt -> namo, vi, or cat. 4) Bird the File Content -> Cat Filename. 5) Krint the File word Court > WC Filename. odelete a File > Im Filename I delete an empty directory -> smdis diename 8) delete mon-empty directory - Am-34 disname