OPERATENG SYSTEMS

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IMPORTANT NOTES Interript is hordine generated, while trop is softime generated. System Call: -) System cells allow user-level processes to request services of the operation system. - System Coll porameter assing: -> Pass the parameter in Registrs. -> Postumeter, stored in a block or tobbe, in memon, and address of block possed as a colomby in a register -> on a Steek Interprocess communication: -> Messege - possing models: · Exchange though a though a common mail have. Shored - menory Model: · Procases UR some memory create () and shorted mannon, adjust) to come. offer process names. Contest - Switch -) When interrupt occur, the current running process must be some. Internal Fragmantation and Fixtural Farmantation: -> Ef: Total memory exists to sotisfy a request, but it is not configures. -) IF: Allocated memory may be slightly larger than sequeled morning Memory - Mapped Files: -> Memory-Mappad file I/O allows file I/O to be treated as routine memory access by mapping a disk block to a pose -) Memory-Mappal file is a virtual memory that mappal into physical memory one -to -one. Shored memory: -> It is a memory that may be simultaneously accessed by multiple program with an intent to provide communication among than or avoid redundat copies-· Faster than message possing, because in shored-memory the system calls one required to only autoblish shored-namons regions. -> Gns: · Mad of synchronization for consistency of data. Measons Possins: -> Communication tokes place by means of measures exchanged between the cooperating PROCESSIS . -> Pros: · Usefull to for exchansing smaller amount of obta, because no conflicts new

to be avoided.

· Rosios to imprement in distributed system. -> Cors: · Slovar What does the system want? to moveimize: · CPU utilization: keep the CPU as basy as possible · Throughout : number of processes that complete their accountion per time unit. to minimize: · Turnorrand time: amount of time to execute a particular process · Waitin time · Response time Interrupt vectors set of advoses that give the information to the interrupt nondler to whom to find the opporpriate interrupt to the service routine.

