GPOS.md 28/11/2022

Quantum - samples

Concepts of GPOS

Ready state \rightarrow is like a waiting state.

Round Robin algorithm is used for scheduling the processes in cpu.

Stack is present address, Program counter is address of next instruction to be executed.

Deadlock process

If a process holds or locks any variable or memory or cpu or resource which are shared with others, and others wants to access that resource, Deadlock happens.

Starvation

Daemon is a computer program that runs as a background process aka service.

It starts at boot time.

init() is daemon.

Docker is soul of system.

Copy on write \rightarrow OS creates a copy of a shared file if a process tries to write in that file.

Zombie and Orphan

Zombie

Child process dies before Parent process.

Orphan

Parent process dies before Child process.

GPOS.md 28/11/2022

diot 14564 0.0 0.0 2644 964 pts/4 S+ 13:07 0:00 ./orphan.out diot 14565 0.0 0.0 0 0 pts/4 Z+ 13:07 0:00 [orphan.out] <de< th=""><th></th></de<>	
11:-+ 14FCF 0 0 0 0 0 0 -+-/4 7. 12:07 0:00 [
diot	efunct>

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