Quantum - samples

Concepts of GPOS

Ready state → 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.

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

Zombie and Orphan

```
diot        14563  0.0  0.0    2644     92 pts/4    S    13:07   0:00 ./zombie.out
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] <defunct>
```