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lines 53-63 helper variables

These are just additional variables that will be used in the following functions and helper functions.

Lines 75 – 113 helper Queue/Dequeue function

The first function is a Queue function to assist the ready function. Followed by the Dequeue function that will dequeue the process from a queue, while also removing a node.

Lines 114 – 133 a pause Queue help function

A queue insertion for the pause queue function. Woks by checking if queue is empty, if empty points to head and tail, if not empty, insert behind tail.

Lines 134 – 152 Replace Node

Dequeues from queue and returns node

Lines 152-168 insert block

Queue insert for a blocked list, if queue empty point to head, if not, point to tail

Lines 169-238 replace block node

Dequeue process from queue, the proceeds to return a removed node.

Lines 239-278 current job

Begin to process any running jobs, calculate IOburst, when process exhausts cpu burst, moves to blocked.

Lines 280-301 input process

Begin a process a designated begin time

Lines 306-331 input process

Process any remaining jobs in queues

Lines 332-416

Proceed with any remaining jobs in paused queue, begins to dequeue list, the process CPU burst.

Lines 417 – 432

Check if things are remaining in queue

Lines 437-479 Timers

functions that handle timers and countdowns of processes

Lines 480-520 Extra

An extra function containing extra helper variables for the main function

Lines 525-543 arguments

544-642 skeleton

This is the skeleton code given at the start

653-826

Finally begin to print out our processes