CO21BTECH11002

Prog Exam Part 2

The FIFO() function:

This function reads the addresses and assigns them page table entries based on the FIFO algorithm. It maintains a queue to check which address came first. If no page table entries are empty then the address at the front of the queue is removed and the entry is assigned to the current requesting process.

The LRU() function:

This function reads the addresses and assigns them page table entries based on the LRU algorithm. It maintains a queue to check which address was least recently used. Whenever an address is accessed, the address is pushed to the back of the queue. This way, the least recently used address remains at the front of the queue. If no page table entries are empty then the address at the front of the queue is removed and the entry is assigned to the current requesting process.