HW ~ 22.03.2023

Comparison of various scheduling algorithms

Parameters	FCFS Algorithm	SJF Algorithm	Priority Algorithm	R-R Algorithm	multi level queue Algorithm
1) Preemption	This scheduling algorithm is non preemption	This scheduling algorithm is preemptive	This scheduling algorithm is also preemptive	Preemptive	This algorithm is preemptive
2. Complexity	Simple scheduling algorithm	Difficult to understand and code	This algorithm is also difficult to understand	depends on the size of time quantum	This algorithm is difficult to understand and code
3. Allocation	In this, it allocated the CPU in the order in which the process arrive	In this, the CPU is allocated to the process with least CPU burst time	It based on the priority. The higher priority Job can run first	In this, the CPU is allocated in the order in which the process arrives but for broad time size	In this, the CPU is allocated to the process with higher priority in the higher priority queue
4. waiting time	In this, the average waiting time is large	In this, the average waiting time is small as compared to FCFS scheduling algorithm	In this, the average waiting time is small as compared to scheduling algorithm	In this, the average waiting time is large as compared to all the three scheduling algorithm	In this, the average waiting time is small as compared to FCFS scheduling algorithm