Tutorial 4

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Q1) Shortest remaining time (SRT) scheduling algo select the process for execution which is smallest amount of time

- P0 spends 1st 2 unit in I/O. 7 unit of cpu time & finally 1 unit in I/O
- P1 spends 1st 4 units in I/O, 14 in cpu & 2 in I/O
- P2 spends 6 units in I/O, 21 in CPU & 3 in I/O.

PID	AT	IO	BT	IO
P0	0	2	7	1
P1	0	4	14	2
P2	0	6	21	3

Total time spent : 47
Idle time : 2+3 = 5

% of idle time = (7/49) × 100

The cpu remain idle for 10.6%.

12) ① SJF : Here the process are scheduled as per burst time with less time process then given more priority

Avg W.T. = sum of W.T. / no. of process

= 31/5 = 6.2s

Avg execution time = sum of exe tim / no. of proces

= 20/5 = 4s