

Process Name	Time to process	Job Submission time
P1	7	3
P2	18	23
P3	16	34
P4	12	16
P5	19	7

Calculate Turn around time, Wait time and response time for following algorithms:

1. First come first serve
2. Round robin
3. Shortest job first
4. Longest job first

Answer 1:

Processing Order: p1, p2, p3, p4, p5

TAT: Turn around time

WT: Wait Time

RT: Response Time

Process	Submissi on time	Arrival time	Time to process	Completion time	TAT	WT	RT
p1	0	3	7	10	7	0	0
p2	10	23	18	28	5	10	7
p3	28	34	16	44	10	6	28
p4	44	16	12	56	40	28	28
p5	56	7	19	75	68	49	49

Answer 2:

The best order is p1, p2, p3, p4, p5, p1, p2, p3, p4, p5, p2, p4, p5, p4, p5

	Submission	Arrival	Time to	Completion			
Process	time	time	process	time	TAT	WT	RT
p1	0	3	7	13	10	3	0
p2	13	23	18	31	8	13	0
p3	31	34	16	47	13	3	0
p4	47	16	12	59	43	31	31
p5	59	7	19	78	71	52	52

Answer 3:

Processing Order: p1, p4, p3, p5, p2

	Submission	Arrival	Time to	Completion			
Process	time	time	process	time	TAT	WT	RT
p1	0	3	7	10	7	0	0
p4	10	16	12	22	6	0	0
p3	22	34	16	38	4	0	0
p5	38	7	19	57	50	31	31
p2	57	23	18	75	52	34	34

Answer 4:

Processing Order: p5, p2, p3, p4, p1

Process	Submission time	Arrival time	Time to process	Completion time	TAT	WT	RT
p5	0	7	19	26	19	0	0
p2	26	23	18	44	21	3	3
p3	44	34	16	60	26	10	10
p4	60	16	12	72	56	44	44
p1	72	3	7	79	76	69	69