

# CIS 21012 Tutorial 1

Note: No submission required (it is for your practice purpose only)

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## Example 1

In the following Example, we are considering three processes P1, P2, P3 P4 and P5. Their arrival time and Burst time are given below. Draw the Gantt chart Find out the Completion time, Turnaround time, and waiting time for each process. Finally find out the inefficiency and efficiency percentage.

PROCESS	ARRIVAL TIME	BURST TIME
P1	0	80
P2	0	20
P3	0	10
P4	0	20
P5	0	50

## Example 2

In the following Example, we are considering three processes P1, P2, P3 and P4. Their arrival time and Burst time are given below. Draw the Gantt chart Find out the Completion time, Turnaround time, and waiting time for each process. Finally find out the inefficiency and efficiency percentage.

PROCESS	ARRIVAL TIME	SERVICE TIME
P1	0	8
P2	1	4
P3	2	9
P4	3	5

## Example 3

In the following Example, we are considering three processes P1, P2, and P3. Their arrival time and Burst time are given below. Draw the Gantt chart Find out the Completion time, Turnaround time, and waiting time for each process. Finally find out the inefficiency and efficiency percentage.

Process ID	Arrival Time	Burst Time
1	0	2
2	3	1
3	5	6

### Example 4

In the following Example, we are considering five processes P1, P2, P3, P4, P5 and P6. Their arrival time and Burst time are given below. Draw the Gantt chart Find out the Completion time, Turnaround time, and waiting time for each process. Finally find out the inefficiency and efficiency percentage. NOTE: overhead time is 1 unit.

Process ID	Arrival Time	Burst Time
1	0	3
2	1	2
3	2	1
4	3	4
5	4	5
6	5	2