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Quiz 2

Concurrent Vs Parallel

4.0/4.0 points (graded)

Concurrent Vs Parallel

Suppose, In a manufacturing company of a product, there are 4 step to produce a product. Step 1 takes 5 seconds to complete, Step 2 takes 10 seconds, Step 3 takes 6 seconds and Step 4 takes 3 seconds. There are some restrictions. Step 3 cannot start before Step 1 and Step 4 cannot start before Step 2. There are no other restrictions or dependency.

You know, there are two ways of executing tasks - Concurrent execution and Parallel execution. If you want to produce 1 product using this manufacturing structure, how much time is required for each type of execution?

Concurrent Execution in single core: [input only interger number]



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Parallel execution in 2 core: [input only interger number]



CPU Scheduling

0.0/6.0 points (graded)

Marks for this question: **5 marks**

Consider the information of following five processes -

Process	Arrival time	Burst time
P1	0	6
P2	1	5
P3	8	8
P4	6	9
P5	3	1

Now apply the **Non-Preemptive Shortest Job First(SJF)** scheduling algorithm on the above given data.

Insert **Avarage TurnAround Time** (decilam points up to 2 digit. For example if your ans is 25.885 , insert 25.89 only)

✘ Answer: 11.2

Insert the **Avarage Waiting Time** (decilam points up to 2 digit. For example if your ans is 25.885 , insert 25.89 only)

✘ Answer: 5.4

i Answers are displayed within the problem

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