BIL332-02 OPERATING SYSTEMS
LAB#5

Submission : Upload your C program (***.C**) to OYS

You are supposed to write a C program to simulate SPN (Shortest Process Next) scheduling algorithm by ignoring the process switching time. Requirements are as follows:

- The number of processes must be entered from keyboard (min:3, max:10).
- Arrival times (Ta) of the processes must be randomly generated (min:0, max:15).
- Service times (Ts) of the processes must be randomly generated (min:5, max:15).
- The schedule must be printed by indicating which process runs in which time interval (Look at the example output).

EXAMPLE OUTPUT:

```
Enter the number of processes (3-10): 5
Generating random arrival (Ta) and service (Ts) times:
      Ta    Ts
P1    5     5
P2    10    9
P3    4     8
P4    7     14
P5    13    3
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Scheduling using SPN:
T =  4 -> 12 : P3
T = 12 -> 17 : P1
T = 17 -> 20 : P5
T = 20 -> 29 : P2
T = 29 -> 43 : P4
```