Tick number: 0 cpu id: 0 Process inside this cpu: id: p0 PC: 1 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 No process on this cpu... -----Tick number: 1 cpu id: 0 Process inside this cpu: id: p0 PC: 2 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 No process on this cpu... _____ Tick number: 2 cpu id: 0 Process inside this cpu: id: p0 PC: 3 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 1 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 3 cpu id: 0 Process inside this cpu: id: p0 PC: 4 Total execution time to do: 10 Array of instructions: []

State:running

cpu id: 1 Process inside this cpu: id: p1 PC: 2 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 4 cpu id: 0 Process inside this cpu: id: p0 PC: 5 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p2 PC: 1 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running Tick number: 5 cpu id: 0 Process inside this cpu: id: p0 PC: 6 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p2 PC: 2 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running Tick number: 6 cpu id: 0 Process inside this cpu: id: p0

PC: 7

Total execution time to do: 10

Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 3 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 7 cpu id: 0 Process inside this cpu: id: p0 PC: 8 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 4 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 8 cpu id: 0 Process inside this cpu: id: p0 PC: 9 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 5 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 9 cpu id: 0 Process inside this cpu:

id: p0

PC: 10 Total execution time to do: 10 Array of instructions: [] State:running
cpu id: 1 No process on this cpu
Tick number: 10 cpu id: 0 No process on this cpu
cpu id: 1 Process inside this cpu: id: p2 PC: 3 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running
Tick number: 11 cpu id: 0 No process on this cpu
cpu id: 1 No process on this cpu
Tick number: 12 cpu id: 0 No process on this cpu
cpu id: 1 No process on this cpu
Tick number: 13 cpu id: 0 Process inside this cpu: id: p2 PC: 4 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running
cpu id: 1 No process on this cpu

Tick number: 14 cpu id: 0 No process on this cpu... cpu id: 1 No process on this cpu... Tick number: 15 cpu id: 0 No process on this cpu... ----cpu id: 1 No process on this cpu... -----Tick number: 16 cpu id: 0 Process inside this cpu: id: p2 PC: 5 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running cpu id: 1 No process on this cpu... Tick number: 17 cpu id: 0 Process inside this cpu: id: p2 PC: 6 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running cpu id: 1 No process on this cpu... -----Tick number: 18 cpu id: 0 Process inside this cpu: id: p2 PC: 7 Total execution time to do: 7

Array of instructions: [1, 2, 3]

State:running

cpu id: 1 No process on this cpu	
Tick number: 19 cpu id: 0 No process on this cpu	
cpu id: 1 No process on this cpu	
Printing the performance details of the FCFS scheduling algorihtm: CPU utilization for cpu 0: 0.7368421052631579 CPU utilization for cpu 1: 0.42105263157894735 Average waiting time for the processes:3.33333333333333335 time unit	
Printing the turnaround time for each process p1: 7 time unit p0: 10 time unit p2: 15 time unit	
Printing the CPU response time for each process p1: 0 time unit p0: 0 time unit p2: 0 time unit	
Tick number: 0 cpu id: 0 Process inside this cpu: id: p0 PC: 1 Total execution time to do: 10 Array of instructions: [] State:running	
cpu id: 1 No process on this cpu	
Tick number: 1 cpu id: 0 Process inside this cpu: id: p0 PC: 2	

Total execution time to do: 10

Array of instructions: [] State:running cpu id: 1 No process on this cpu... _____ Tick number: 2 cpu id: 0 Process inside this cpu: id: p0 PC: 3 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 1 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 3 cpu id: 0 Process inside this cpu: id: p0 PC: 4 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 2 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 4 cpu id: 0

Process inside this cpu:

id: p0 PC: 5

Total execution time to do: 10

Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p2 PC: 1 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running Tick number: 5 cpu id: 0 Process inside this cpu: id: p0 PC: 6 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p2 PC: 2 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running Tick number: 6 cpu id: 0 Process inside this cpu: id: p0 PC: 7 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 3 Total execution time to do: 5 Array of instructions: [1] State:running

Tick number: 7

cpu id: 0 Process inside this cpu: id: p0 PC: 8 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 4 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 8 cpu id: 0 Process inside this cpu: id: p2 PC: 3 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:ready cpu id: 1 Process inside this cpu: id: p1 PC: 5 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 9 cpu id: 0 Process inside this cpu: id: p0 PC: 9 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 No process on this cpu...

Tick number: 10

cpu id: 0 Process inside this cpu: id: p0 PC: 10 Total execution time to do: 10 Array of instructions: [] State:running
cpu id: 1 No process on this cpu
Tick number: 11 cpu id: 0 No process on this cpu cpu id: 1 Process inside this cpu: id: p2 PC: 4 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running
Tick number: 12 cpu id: 0 No process on this cpu cpu id: 1 No process on this cpu
Tick number: 13 cpu id: 0 No process on this cpu cpu id: 1 No process on this cpu
Tick number: 14 cpu id: 0

Process inside this cpu:
id: p2
PC: 5
Total execution time to do: 7

Array of instructions: [1, 2, 3] State:running	
cpu id: 1 No process on this cpu	
Tick number: 15 cpu id: 0 Process inside this cpu: id: p2 PC: 6 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running	
cpu id: 1 No process on this cpu	
Tick number: 16 cpu id: 0 Process inside this cpu: id: p2 PC: 7 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running	
cpu id: 1 No process on this cpu	
Tick number: 17 cpu id: 0 No process on this cpu	
cpu id: 1 No process on this cpu	
Printing the performance details of	
CPU utilization for cpu 0: 0.823529	9411/64/058

CPU utilization for cpu 1: 0.47058823529411764

Printing the turnaround time for each process p1: 7 time unit p0: 11 time unit p2: 13 time unit Printing the CPU response time for each process p1: 0 time unit p0: 0 time unit p2: 0 time unit Tick number: 0 cpu id: 0 Process inside this cpu: id: p0 PC: 1 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 No process on this cpu... Tick number: 1 cpu id: 0 Process inside this cpu: id: p0 PC: 2 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 No process on this cpu... Tick number: 2 cpu id: 0 Process inside this cpu: id: p0 PC: 3 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu:

id: p1

PC: 1

Total execution time to do: 5

Array of instructions: [1]

State:running

Tick number: 3

cpu id: 0

Process inside this cpu:

id: p0 PC: 4

Total execution time to do: 10

Array of instructions: []

State:running

.____

cpu id: 1

Process inside this cpu:

id: p1 PC: 2

Total execution time to do: 5 Array of instructions: [1]

State:running

Tick number: 4

cpu id: 0

Process inside this cpu:

id: p0 PC: 5

Total execution time to do: 10

Array of instructions: []

State:running

cpu id: 1

Process inside this cpu:

id: p2 PC: 1

Total execution time to do: 7 Array of instructions: [1, 2, 3]

State:running

Tick number: 5

cpu id: 0

Process inside this cpu:

id: p0 PC: 5

Total execution time to do: 10

Array of instructions: []

State:running

cpu id: 1

Process inside this cpu: id: p2 PC: 2 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running Tick number: 6 cpu id: 0 Process inside this cpu: id: p0 PC: 6 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 3 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 7 cpu id: 0 Process inside this cpu: id: p0 PC: 7 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 Process inside this cpu: id: p1 PC: 4 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 8 cpu id: 0 Process inside this cpu: id: p0 PC: 8 Total execution time to do: 10 Array of instructions: [] State:running

cpu id: 1 Process inside this cpu: id: p1 PC: 5 Total execution time to do: 5 Array of instructions: [1] State:running Tick number: 9 cpu id: 0 Process inside this cpu: id: p0 PC: 9 Total execution time to do: 10 Array of instructions: [] State:running cpu id: 1 No process on this cpu... _____ Tick number: 10 cpu id: 0 Process inside this cpu: id: p2 PC: 3 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running cpu id: 1 Process inside this cpu: id: p0 PC: 9 Total execution time to do: 10 Array of instructions: [] State:running Tick number: 11 cpu id: 0 No process on this cpu... cpu id: 1 Process inside this cpu: id: p0 PC: 10 Total execution time to do: 10 Array of instructions: [] State:running

Tick number: 12 cpu id: 0 No process on this cpu... _____ cpu id: 1 No process on this cpu... -----Tick number: 13 cpu id: 0 Process inside this cpu: id: p2 PC: 4 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running cpu id: 1 No process on this cpu... _____ Tick number: 14 cpu id: 0 No process on this cpu... cpu id: 1 No process on this cpu... Tick number: 15 cpu id: 0 No process on this cpu... _____ cpu id: 1 No process on this cpu... Tick number: 16 cpu id: 0 Process inside this cpu: id: p2 PC: 5 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running

cpu id: 1

No process on this cpu...

Tick number: 17 cpu id: 0 Process inside this cpu: id: p2 PC: 6 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running
cpu id: 1 No process on this cpu
Tick number: 18 cpu id: 0 Process inside this cpu: id: p2 PC: 7 Total execution time to do: 7 Array of instructions: [1, 2, 3] State:running
cpu id: 1 No process on this cpu
Tick number: 19 cpu id: 0 No process on this cpu
cpu id: 1 No process on this cpu
Printing the performance details of the RR scheduling algorihtm: CPU utilization for cpu 0: 0.6842105263157895 CPU utilization for cpu 1: 0.47368421052631576
Average waiting time for the processes:4.0 time unit
Printing the turnaround time for each process p1: 7 time unit p0: 12 time unit p2: 15 time unit

Printing the CPU response time for each process

p1: 0 time unit p0: 0 time unit p2: 0 time unit