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ID NO : 2020-2-60-112

Course Title : Operating System.

Course Code : CSE325

Sec no. : 01.

Roll : 34.

ID: 2020-2-60-112 Roll-34

Ans to the Ques NO 04

We know, The state of a procen in defined in part by the current activity of that procen An a procen executes, it changes state. According to the Question we have noticed five states of the process of the given seenario.

① New State: It in the state where procen are created. Here, I've clicked the for noconary operands and operator for calculation.

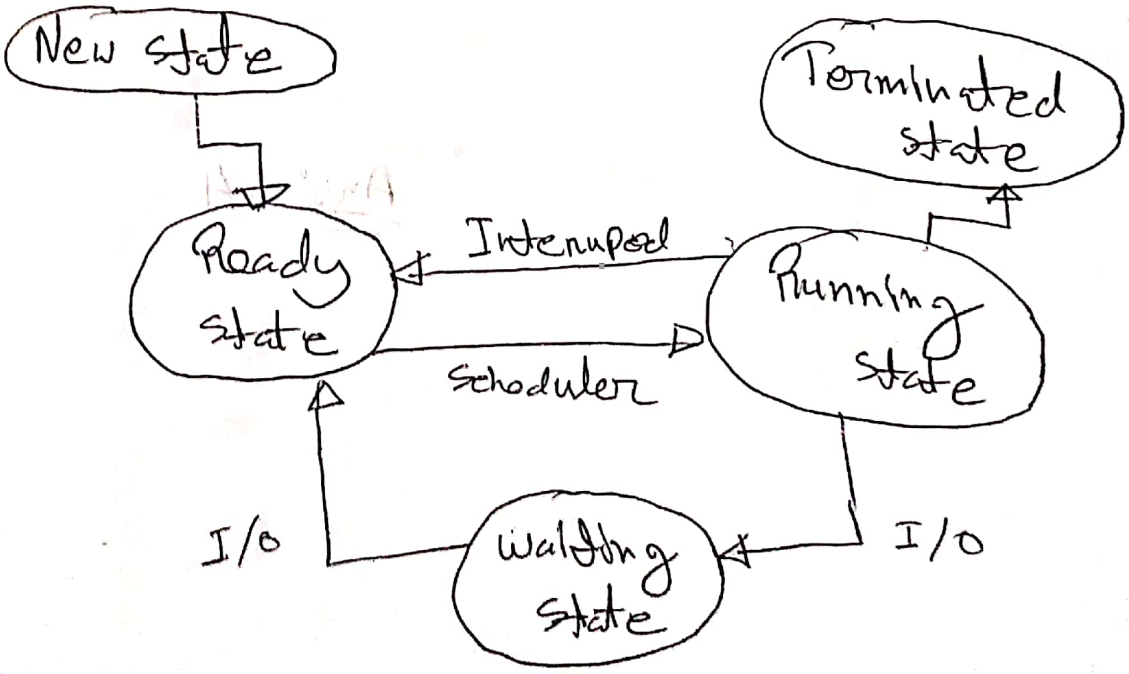
(II) Ready state: In this state the Process waits to be assigned to a processor. In this case the process also waits for the Processor to be assigned.

(III) Running state: In this state the instructions are executed. In our our problem the software calculated. for the operation given in the running state.

(IV) Waiting state: In this state the process waits for some event to

occur. In our problem it is also happened when the running state was over.

(v) Terminated state: In this state, The Process finished execution and shown output. In our problem, the software showed me the output.



The arithmetic process,

1st, $\boxed{3+2} - 1 \times 3 \rightarrow 5 - 1 \times 3 = 12$

2nd $3 + \boxed{2-1} \times 3 \rightarrow 3 + 3 = 6$

3rd $3 + 2 - 3 = 2$ [$1 \times 3 = 3$ than others.]

So, the result in $\boxed{3rd}$ formation is correct.

result in = 2.

(Ans)

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Ans to the Ques No. 02

(a)

P_0	I_0 6	C_0 12	O_0 5					
P_1		I_1 11	C_1 13		O_1 6			
P_2			I_2 5		C_2 14	O_2 3		
P_3				I_3 9		C_3 12	O_3 7	
	6	12	13		14	12	7	64

Ans: 64

(5)

Q6

P_0	I_0 6	C_0 12	O_0 5					
P_1		I_1 10	C_1 12		C_1 1	O_1 6		
P_2		I_2 3		C_2 6		C_2 8	O_2 3	
P_3			I_3 9		C_3 12	O_3 7		
	12	12	12		12	12		60

Ans: 60

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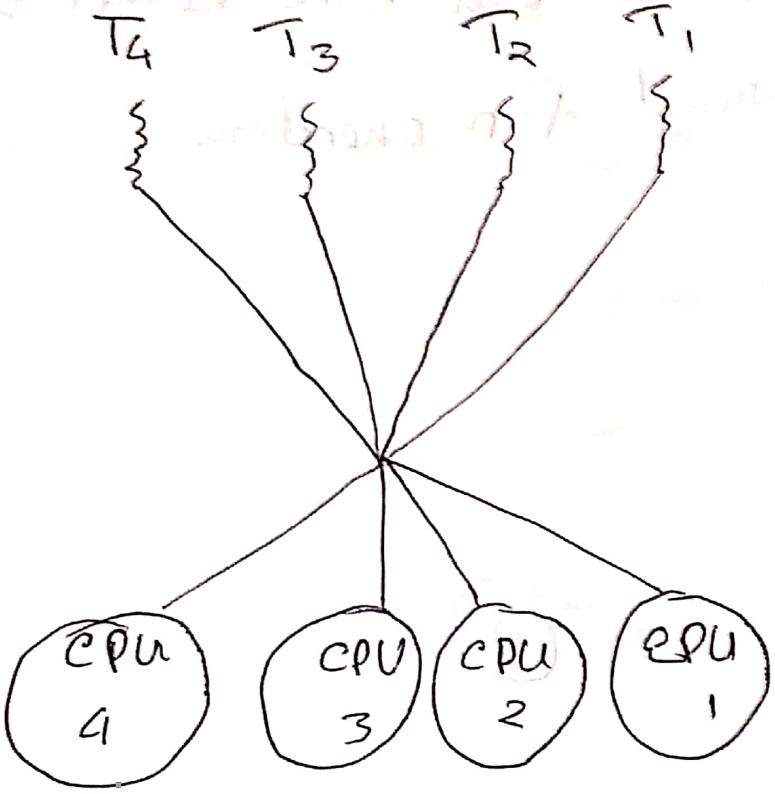
Ans to the Ques No. 03

Output: Hello
World
Hello
World

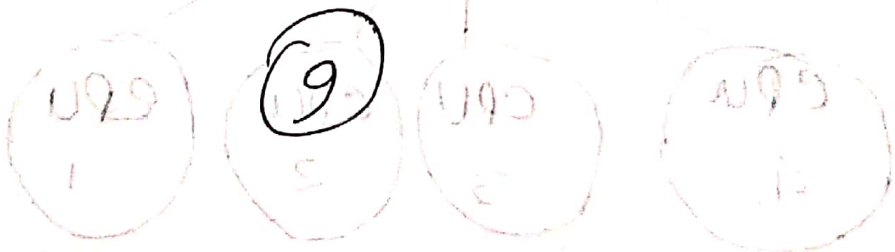
In this code we call three three fork() system. if (Pid > 0) then it will be the Parent procen. and it will execte if block also enecute Pid1 fork() system call. if (Pid == 0) block in this block it will enecute the Pid2 = fork(). system call also print "world" else block.

Ans to the Ques NO. 5

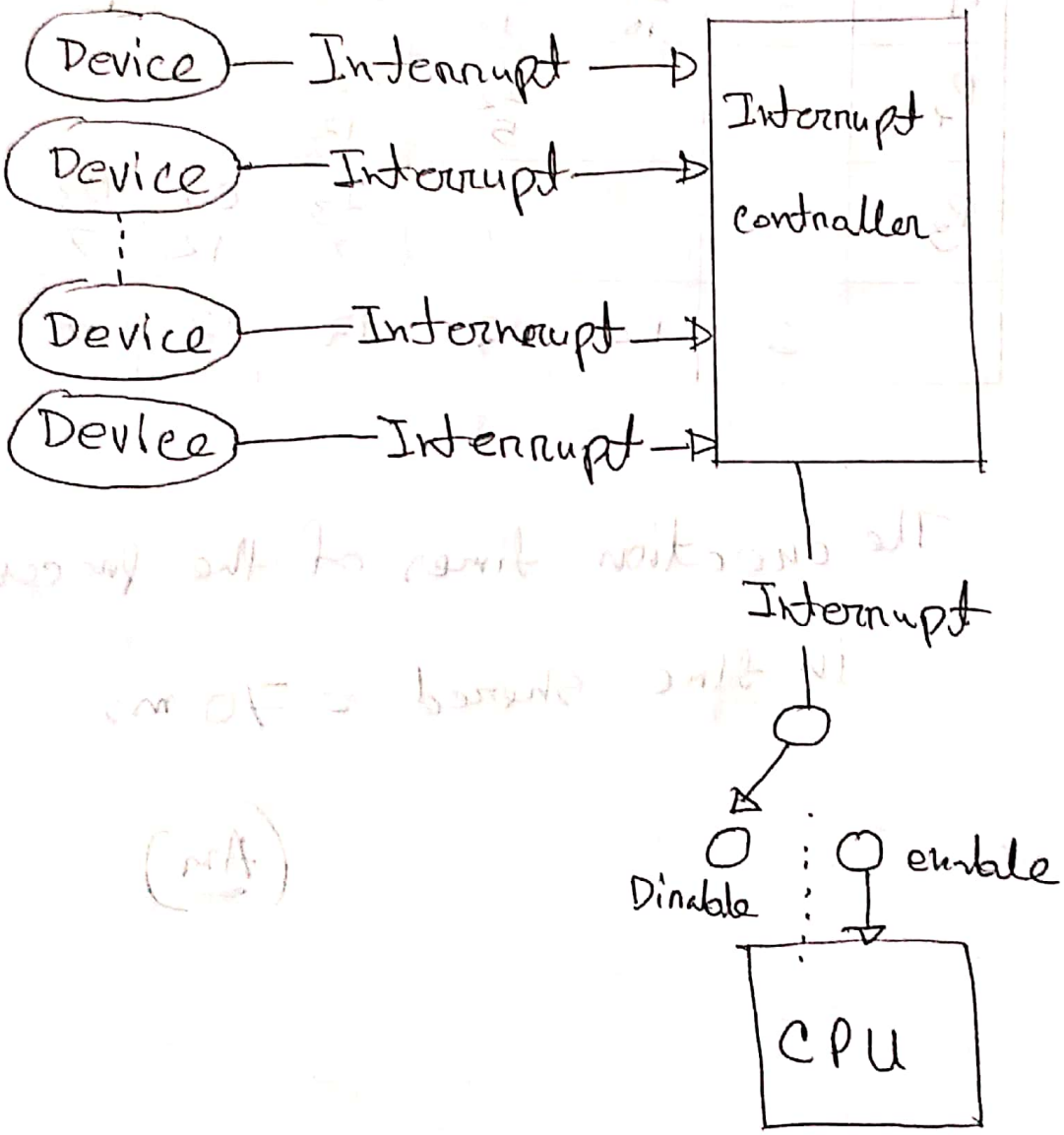


Multiple many user threades to a smaller or equal number of Kernel threads. The number of Kernel threades maybe specific to either of Kernel a perticular

application. It creates many user threads as necessary, when a thread performs a blocking system call, the kernel schedules another thread for execution



Ans to the Quen No. 01



(10)

~~Ans~~

An interrupt in a h/w that enables cpu to decide that a device needs it's attention The cpu has a wire interrupt-request that execution of every single instruction.

(11)