

Table for output 1.txt

Tick	Ready list	Current thread	Printf message	Remarks
	empty	main		
10	child1	main		
20	child1, child2	main		
30	Child1, child2, child3	main		
40	Child1, child2, child3	main		Interrupt triggered
	Child2, child3, main	child1		Context switch from main to child1
50	Child2, child3, main	child1	Thread 1 completed	
	Child3, main	child2		Context switch from child1 to child2
60	Child3, main	child2	Thread 2 completed	
	main	child3		Context switch from child2 to child3
70	main	child3	Thread 3 completed	
	empty	main		Context switch from child3 to main
80	Empty	main		Interrupt triggered
90	child4	main		
100	Child4, child5	main		
110	Child4, child5, child6	main		
120	Child4, child5, child6	main		Interrupt triggered
	Child5, child6, main	child4		Context switch from main to child4
130	Child5, child6, main	child4	Thread 4 completed	
	Child6, main	child5		Context switch

				from child4 to child5
140	Child6, main	child5	Thread 5 completed	
	main	child6		Context switch from child5 to child6
150	main	child6	Thread 6 completed	
	empty	main		Context switch from child6 to main
160	empty	main		Interrupt triggered
170	child7	main		
180	Child7, child8	main		
190	Child7, child8, child9	main		
200	Child7, child8, child9	main		Interrupt triggered
	Child8, child9, main	child7		Context switch from main to child7
210	Child8, child9, main	child7	Thread 7 completed	
	Child9, main	child8		Context switch from child7 to child8
220	Child9, main	child8	Thread 8 completed	
	main	child9		Context switch from child8 to child9
230	main	child9	Thread 9 completed	
	empty	main		Context switch from child9 to main
240	empty	main		
250	empty	main	Thread 0 completed	
	empty	empty		

Table for output 2.txt

Tick	Ready list	Current thread	Printf message	Remarks
	empty	main		
10	child1	main		
20	Child1, child2	main		
30	Child1, child2, child3	main		
40	Child1, child2, child3	main		Interrupt triggered
	Child2. Child3, main	child1		Context switch from main to child1
50	Child2. Child3, main	child1	Thread 1 completed	
	Child3, main	child2		Context switch from child1 to child2
60	Child3, main	child2	Thread 2 completed	
	main	child3		Context switch from child2 to child3
70	main	child3	Thread 3 completed	
	empty	main		Context switch from child3 to main
80	child4	main		
90	Child4, child5	main		
100	Child4, child5, child6	main		
110	Child4, child5, child6	main		Interrupt triggered
	Child5, child6, main	child4		Context switch from main to child4
120	Child5, child6, main	child4	Thread 4 completed	
	Child6, main	child5		Context switch from child4 to

				child5
130	Child6, main	child5	Thread 5 completed	
	main	child6		Context switch from child5 to child6
140	main	child6	Thread 6 completed	
	empty	main		Context switch from child6 to main
150	Child7	main		
160	Child7, child8	main		
170	Child7. Child8, child9	main		
180	Child7. Child8, child9	main		Interrupt triggered
	Child8, child9, main	child7		Context switch from main to child7
190	Child8, child9, main	child7	Thread 7 completed	
	Child9, main	child8		Context switch from child7 to child8
200	Child9, main	child8	Thread 8 completed	
	main	child9		Context switch from child8 to child9
210	main	child9	Thread 9 completed	
	empty	main		Context switch from child9 to main
220	empty	main	Thread 0 completed	
	Empty	empty		