Part 1: Modifying Scheduler.java with suspend() and resume()

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[ewerede@sig3 prog3]$ javac Scheduler.java
[ewerede@sig3 prog3]$ java Boot
threadOS ver 1.0:
threadOS: DISK created
Type ? for help
threadOS: a new thread (thread=Thread[Thread-3,2,main] tid=0 pid=-1)
-->l Test2b
l Test2b
threadOS: a new thread (thread=Thread[Thread-5,2,main] tid=1 pid=0)
threadOS: a new thread (thread=Thread[Thread-7,2,main] tid=2 pid=1)
threadOS: a new thread (thread=Thread[Thread-9,2,main] tid=3 pid=1)
threadOS: a new thread (thread=Thread[Thread-11,2,main] tid=4 pid=1)
threadOS: a new thread (thread=Thread[Thread-13,2,main] tid=5 pid=1)
threadOS: a new thread (thread=Thread[Thread-15,2,main] tid=6 pid=1)
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b] is running
Thread[a] is running
Thread[b]: response time = 3000 turnaround time = 3901 execution time
= 901
Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[c] is running
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Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[c] is running
Thread[a] is running
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Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[e] is running
Thread[d] is running
Thread[c] is running
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Thread[a] is running
Thread[e] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[e] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[e] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[e]: response time = 6000 turnaround time = 6400 execution time
= 400
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[d] is running
Thread[c]: response time = 4000 turnaround time = 6904 execution time
= 2904
Thread[a]: response time = 1999 turnaround time = 6907 execution time
= 4908
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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Thread[d] is running
Thread[d] is running
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Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d]: response time = 5001 turnaround time = 10910 execution time
= 5909
Test2b finished
-->

After the modification:

[ewerede@sig3 prog3]$ javac Scheduler.java
[ewerede@sig3 prog3]$ java Boot
threadOS ver 1.0:
Type ? for help
threadOS: a new thread (thread=Thread[Thread-3,5,main] tid=0 pid=-1)
-->l Test2b
l Test2b
threadOS: a new thread (thread=Thread[Thread-5,5,main] tid=1 pid=0)
threadOS: a new thread (thread=Thread[Thread-7,5,main] tid=2 pid=1)
threadOS: a new thread (thread=Thread[Thread-9,5,main] tid=3 pid=1)
threadOS: a new thread (thread=Thread[Thread-11,5,main] tid=4 pid=1)
threadOS: a new thread (thread=Thread[Thread-13,5,main] tid=5 pid=1)
threadOS: a new thread (thread=Thread[Thread-15,5,main] tid=6 pid=1)
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
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Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b] is running
Thread[b]: response time = 2999 turnaround time = 3901 execution time
= 902
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[e] is running
Thread[e] is running
Thread[e] is running
Thread[e] is running
Thread[e]: response time = 6000 turnaround time = 6401 execution time
= 401
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
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Thread[a] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
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Thread[c] is running
Thread[c] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c] is running
Thread[c]: response time = 3999 turnaround time = 15903 execution time
= 11904
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a] is running
Thread[a]: response time = 1999 turnaround time = 23904 execution time
= 21905
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
Thread[d] is running
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Thread[d] is running
Thread[d] is running
Thread[d]: response time = 5000 turnaround time = 27905 execution time
= 22905
Test2b finished
-->l Test2
l Test2
threadOS: a new thread (thread=Thread[Thread-17,5,main] tid=7 pid=0)
threadOS: a new thread (thread=Thread[Thread-19,5,main] tid=8 pid=7)
threadOS: a new thread (thread=Thread[Thread-21,5,main] tid=9 pid=7)
threadOS: a new thread (thread=Thread[Thread-23,5,main] tid=10 pid=7)
threadOS: a new thread (thread=Thread[Thread-25,5,main] tid=11 pid=7)
threadOS: a new thread (thread=Thread[Thread-27,5,main] tid=12 pid=7)
Thread[b]: response time = 2999 turnaround time = 3900 execution time
= 901
Thread[e]: response time = 6001 turnaround time = 6401 execution time
= 400
Thread[c]: response time = 4000 turnaround time = 15903 execution time
= 11903
Thread[a]: response time = 1999 turnaround time = 23904 execution time
= 21905
Thread[d]: response time = 5000 turnaround time = 27904 execution time
= 22904
-->
```