

Execution for Test2b (Could not fit as a screenshot, but I can put it in the correct font here in this doc:

```
[samneet@csslab1 Program2b]$ cp Scheduler_Files/Scheduler_pri.java Scheduler.java
```

```
[samneet@csslab1 Program2b]$ javac -deprecation Scheduler.java
```

```
[samneet@csslab1 Program2b]$ java Boot
```

threadOS ver 2.0:

Type ? for help

```
threadOS: a new thread (thread=Thread[Thread-3,2,main] tid=0 pid=-1)
```

-->1 Test2b

1 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[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
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] is running
Thread[d] is running
Thread[c] is running
Thread[a] is running
Thread[e]: response time = 5999 turnaround time = 6501 execution time = 502
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]: response time = 3999 turnaround time = 7007 execution time = 3008
Thread[a]: response time = 1997 turnaround time = 7010 execution time = 5013

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]: response time = 4998 turnaround time = 11017 execution time = 6019
Test2b finished; total time = 11021
-->q
q
[samneet@csslab1 Program2b]\$ cp Scheduler_Files/Scheduler_rr.java Scheduler.java
[samneet@csslab1 Program2b]\$ javac -deprecation Scheduler.java
Scheduler.java:142: warning: [deprecation] resume() in Thread has been deprecated

```
current.resume( );
```

```
^
```

Scheduler.java:154: warning: [deprecation] suspend() in Thread has been deprecated

```
current.suspend( );
```

```
^
```

2 warnings

```
[samneet@csslab1 Program2b]$ java Boot
```

```
threadOS ver 2.0:
```

```
Type ? for help
```

```
threadOS: a new thread (thread=Thread[Thread-3,5,main] tid=0 pid=-1)
```

```
-->1 Test2b
```

```
1 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
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```
Thread[a] is running
```

```
Thread[a] is running
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Thread[a] is running
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Thread[a] is running
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Thread[a] is running
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Thread[a] is running
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Thread[a] is running
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Thread[a] is running
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Thread[b] is running
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Thread[b] is running
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Thread[b] is running
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Thread[b] is running
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Thread[b] is running
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Thread[b] is running
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```
Thread[b] is running
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```
Thread[b] is running
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Thread[b] is running
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Thread[b] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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Thread[c] is running
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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[e] is running
Thread[e] is running
Thread[e] is running
Thread[e] is running
Thread[e] is running
Thread[e]: response time = 6003 turnaround time = 6504 execution time = 501
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]: response time = 3000 turnaround time = 9506 execution time = 6506
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
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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[a] is running
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Thread[c] is running
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Thread[c] is running
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Thread[d] is running
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Thread[d] is running
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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]: response time = 4001 turnaround time = 19509 execution time = 15508
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
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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[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]: response time = 2000 turnaround time = 26512 execution time = 24512
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 = 5002 turnaround time = 29512 execution time = 24510
Test2b finished; total time = 29514
-->q
q
[samneet@csslab1 Program2b]$ cp Scheduler_Files/Scheduler_mfq.java Scheduler.java
[samneet@csslab1 Program2b]$ javac -deprecation Scheduler.java
Scheduler.java:166: warning: [deprecation] resume() in Thread has been deprecated
```



```
current.resume( );
```

```
^
```

Scheduler.java:176: warning: [deprecation] suspend() in Thread has been deprecated

```
current.suspend();
```

```
^
```

2 warnings

```
[samneet@csslab1 Program2b]$ java Boot
```

threadOS ver 2.0:

Type ? for help

threadOS: a new thread (thread=Thread[Thread-3,5,main] tid=0 pid=-1)

-->1 Test2b

1 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[b] is running

Thread[b] is running

Thread[b] is running

Thread[b] is running

Thread[b] 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[e] is running

Thread[e] is running

Thread[e] is running

Thread[e] is running

Thread[e] 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[b] is running

Thread[b] is running

Thread[b] is running

Thread[b] is running

Thread[b] is running

Thread[b]: response time = 999 turnaround time = 5504 execution time = 4505

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

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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

Thread[d] is running

Thread[e]: response time = 2502 turnaround time = 7506 execution time = 5004

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[c] is running

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Thread[c] is running

Thread[c] is running

Thread[c] is running

Thread[c] is running

Thread[c] is running

Thread[c]: response time = 1500 turnaround time = 15013 execution time = 13513

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[a] is running
Thread[a] is running
Thread[a] is running
Thread[a]: response time = 498 turnaround time = 22521 execution time = 22023
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]: response time = 2001 turnaround time = 29026 execution time = 27025
Test2b finished; total time = 31028
-->q
q

Execution snapshot for Test2.java file:

```
• [samneet@csslab1 Program2b]$ cp Scheduler_Files/Scheduler_rr.java Scheduler.java
• [samneet@csslab1 Program2b]$ javac -deprecation Scheduler.java
Scheduler.java:142: warning: [deprecation] resume() in Thread has been deprecated
    current.resume( );
    ^
Scheduler.java:154: warning: [deprecation] suspend() in Thread has been deprecated
    current.suspend( );
    ^
2 warnings
• [samneet@csslab1 Program2b]$ java Boot
thread0S ver 2.0:
Type ? for help
thread0S: a new thread (thread=Thread[Thread-3,5,main] tid=0 pid=-1)
-->l Test2
l Test2
thread0S: a new thread (thread=Thread[Thread-5,5,main] tid=1 pid=0)
thread0S: a new thread (thread=Thread[Thread-7,5,main] tid=2 pid=1)
thread0S: a new thread (thread=Thread[Thread-9,5,main] tid=3 pid=1)
thread0S: a new thread (thread=Thread[Thread-11,5,main] tid=4 pid=1)
thread0S: a new thread (thread=Thread[Thread-13,5,main] tid=5 pid=1)
thread0S: a new thread (thread=Thread[Thread-15,5,main] tid=6 pid=1)
Thread[e]: response time = 6001 turnaround time = 6501 execution time = 500
Thread[b]: response time = 2999 turnaround time = 9504 execution time = 6505
Thread[c]: response time = 4000 turnaround time = 19508 execution time = 15508
Thread[a]: response time = 1998 turnaround time = 26510 execution time = 24512
Thread[d]: response time = 5000 turnaround time = 29511 execution time = 24511
Test2b finished; total time = 29515
-->q
q
• [samneet@csslab1 Program2b]$ cp Scheduler_Files/Scheduler_mfq.java Scheduler.java
• [samneet@csslab1 Program2b]$ javac -deprecation Scheduler.java
Scheduler.java:166: warning: [deprecation] resume() in Thread has been deprecated
    current.resume( );
    ^
Scheduler.java:176: warning: [deprecation] suspend() in Thread has been deprecated
    current.suspend();
    ^
2 warnings
• [samneet@csslab1 Program2b]$ java Boot
thread0S ver 2.0:
Type ? for help
thread0S: a new thread (thread=Thread[Thread-3,5,main] tid=0 pid=-1)
-->l Test2
l Test2
thread0S: a new thread (thread=Thread[Thread-5,5,main] tid=1 pid=0)
thread0S: a new thread (thread=Thread[Thread-7,5,main] tid=2 pid=1)
thread0S: a new thread (thread=Thread[Thread-9,5,main] tid=3 pid=1)
thread0S: a new thread (thread=Thread[Thread-11,5,main] tid=4 pid=1)
thread0S: a new thread (thread=Thread[Thread-13,5,main] tid=5 pid=1)
thread0S: a new thread (thread=Thread[Thread-15,5,main] tid=6 pid=1)
Thread[b]: response time = 1000 turnaround time = 5504 execution time = 4504
Thread[e]: response time = 2502 turnaround time = 7506 execution time = 5004
Thread[c]: response time = 1501 turnaround time = 15012 execution time = 13511
Thread[a]: response time = 500 turnaround time = 22519 execution time = 22019
Thread[d]: response time = 2002 turnaround time = 29021 execution time = 27019
Test2b finished; total time = 31023
-->q
q
```