Feedback

Points

Test	Points
test_FCFS_simple	0.1/0.1
test_HRRN_complex	0.5/0.5
test_HRRN_simple	0.5/0.5
test_LCFSPR_complex	0.5/0.5
test_LCFSPR_simple	0.5/0.5
test_MLF_complex	0.5/0.5
test_MLF_long	0.5/0.5
test_MLF_short	0.5/0.5
test_MLF_simple	0.5/0.5
test_PRIONP_complex	0.5/0.5
test_PRIONP_simple	0.5/0.5
test_RR_complex	0.5/0.5
test_RR_long	0.5/0.5
test_RR_short	0.5/0.5
test_RR_simple	0.5/0.5
test_SJN_complex	0.5/0.5
test_SJN_simple	0.5/0.5
test_queue_add	0.1/0.1
test_queue_complex	0.5/0.5
test_queue_free	0.1/0.1
test_queue_many	0.5/0.5
test_queue_new	0.1/0.1
test_queue_peek	0.1/0.1
test_queue_poll	0.1/0.1
test_queue_simple	0.4/0.4
Total	10.0

Logs

test_FCFS_simple.log

stdout:

```
Process count: 2
Strategy     : FCFS
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          2 |        2 |        3 |
+--------------------------------------+
Starting FCFS scheduler
 A | A | A | B | B |
Result
------
Got     : AAABB
Expected: AAABB
Matches
```

test_HRRN_complex.log

stdout:

```
Process count: 6
Strategy     : HRRN
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        8 |        3 |
|  C |          2 |        1 |        2 |
|  D |          3 |       10 |        1 |
|  E |          4 |        2 |        8 |
|  F |          5 |        1 |       22 |
+--------------------------------------+
Starting HRRN scheduler
 A | A | A | C | B | B | B | B | B | B | B | B | F | E | E | D | D | D | D | D | D | D | D | D | D |
Result
------
Got     : AAACBBBBBBBBFEEDDDDDDDDDD
Expected: AAACBBBBBBBBFEEDDDDDDDDDD
Matches
```

test_HRRN_simple.log

stdout:

```
Process count: 3
Strategy     : HRRN
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        2 |        4 |
|  C |          2 |        2 |        2 |
+--------------------------------------+
Starting HRRN scheduler
 A | A | A | B | B | C | C |
Result
------
Got     : AAABBCC
Expected: AAABBCC
Matches
```

test_LCFSPR_complex.log

stdout:

```
Process count: 7
Strategy     : LCFSPR
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |       10 |        1 |
|  B |          3 |        2 |        1 |
|  C |          4 |        3 |        1 |
|  D |          5 |        3 |        1 |
|  E |          6 |        8 |        1 |
|  F |         12 |        2 |        1 |
|  G |         20 |        2 |        1 |
+--------------------------------------+
Starting LCFSPR scheduler
 A | A | A | B | C | D | E | E | E | E | E | E | F | F | A | A | A | A | A | A | G | G | B | C | C | D | D | E | E | A |
Result
------
Got     : AAABCDEEEEEEFFAAAAAAGGBCCDDEEA
Expected: AAABCDEEEEEEFFAAAAAAGGBCCDDEEA
Matches
```

test_LCFSPR_simple.log

stdout:

```
Process count: 3
Strategy     : LCFSPR
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        2 |        4 |
|  C |          2 |        2 |        2 |
+--------------------------------------+
Starting LCFSPR scheduler
 A | B | C | C | A | A | B |
Result
------
Got     : ABCCAAB
Expected: ABCCAAB
Matches
```

test_MLF_complex.log

stdout:

```
Process count: 6
Strategy     : MLF
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        2 |
|  B |          1 |        2 |        2 |
|  C |          2 |        5 |        2 |
|  D |          3 |        2 |        2 |
|  E |          6 |        4 |        2 |
|  F |          7 |        2 |        2 |
+--------------------------------------+
Starting MLF scheduler
 A | B | C | D | A | A | E | F | B | C | C | D | E | E | F | C | C | E |
Result
------
Got     : ABCDAAEFBCCDEEFCCE
Expected: ABCDAAEFBCCDEEFCCE
Matches
```

test_MLF_long.log

stdout:

```
Process count: 6
Strategy     : MLF
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        2 |
|  B |          1 |        2 |        2 |
|  C |          4 |       28 |        2 |
|  D |          5 |        8 |        2 |
|  E |         18 |        3 |        2 |
|  F |         34 |        7 |        2 |
+--------------------------------------+
Starting MLF scheduler
 A | B | A | A | C | D | B | C | C | D | D | C | C | C | C | C | C | D | D | D | D | D | E | E | E | C | C | C | C | C | C | C | C | C | C
| C | C | C | C | C | C | C | C | C | F | F | F | F | F | F | F |
Result
------
Got     : ABAACDBCCDDCCCCCCDDDDDEEECCCCCCCCCCCCCCCCCCCFFFFFFF
Expected: ABAACDBCCDDCCCCCCDDDDDEEECCCCCCCCCCCCCCCCCCCFFFFFFF
Matches
```

test_MLF_short.log

stdout:

```
Process count: 10
Strategy     : MLF
+---------------------------------------+
| ID | Start Time | Duration | Priority |
+---------------------------------------+
|  A |          0 |        1 |        2 |
|  B |          1 |        2 |        2 |
|  C |          2 |        3 |        2 |
|  D |          3 |        2 |        2 |
|  E |          4 |        4 |        2 |
|  F |          5 |        1 |        2 |
|  G |          6 |        2 |        2 |
|  H |          7 |        5 |        2 |
|  I |          8 |        2 |        2 |
|  J |          9 |        1 |        2 |
+---------------------------------------+
Starting MLF scheduler
 A | B | C | D | E | F | G | H | I | J | B | C | C | D | E | E | G | H | H | I | E | H | H |
Result
------
Got     : ABCDEFGHIJBCCDEEGHHIEHH
Expected: ABCDEFGHIJBCCDEEGHHIEHH
Matches
```

test_MLF_simple.log

stdout:

```
Process count: 3
Strategy     : MLF
+---------------------------------------+
| ID | Start Time | Duration | Priority |
+---------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        2 |        4 |
|  C |          2 |        2 |        2 |
+---------------------------------------+
Starting MLF scheduler
 A | B | C | A | A | B | C |
Result
------
Got     : ABCAABC
Expected: ABCAABC
Matches
```

test_PRIONP_complex.log

stdout:

```
Process count: 7
Strategy     : PRIONP
+---------------------------------------+
| ID | Start Time | Duration | Priority |
+---------------------------------------+
|  A |          0 |        3 |        3 |
|  B |          1 |        1 |        5 |
|  C |          2 |        1 |        4 |
|  D |          3 |        8 |        1 |
|  E |          6 |        2 |        2 |
|  F |          7 |        2 |        3 |
|  G |         10 |        2 |        4 |
+---------------------------------------+
Starting PRIONP scheduler
 A | A | A | B | C | D | D | D | D | D | D | D | D | G | G | F | F | E | E |
Result
------
Got     : AAABCDDDDDDDDGGFFEE
Expected: AAABCDDDDDDDDGGFFEE
Matches
```

test_PRIONP_simple.log

stdout:

```
Process count: 3
Strategy     : PRIONP
+---------------------------------------+
| ID | Start Time | Duration | Priority |
+---------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        2 |        4 |
|  C |          2 |        2 |        2 |
+---------------------------------------+
Starting PRIONP scheduler
 A | A | A | B | B | C | C |
Result
------
Got     : AAABBCC
Expected: AAABBCC
Matches
```

test_RR_complex.log

stdout:

```
Process count: 5
Strategy     : RR
Quantum      : 3
+---------------------------------------+
| ID | Start Time | Duration | Priority |
+---------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          4 |        8 |        4 |
|  C |          9 |        7 |        4 |
|  D |         13 |        2 |        4 |
|  E |         15 |        4 |        2 |
+---------------------------------------+
Starting RR scheduler
 A | A | A |   | B | B | B | B | B | B | C | C | C | B | B | D | D | C | C | C | E | E | E | C | E |
Result
------
Got     : AAA BBBBBBCCCBBDDCCCEEECE
```

```
Expected: AAA BBBBBBCCCBBDDCCCEEECE
Matches
```

test_RR_long.log

stdout:

```
Process count: 5
Strategy     : RR
Quantum      : 7
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        7 |        1 |
|  B |          1 |       23 |        1 |
|  C |          2 |        3 |        1 |
|  D |          4 |       18 |        1 |
|  E |          6 |        4 |        1 |
+--------------------------------------+
Starting RR scheduler
 A | A | A | A | A | A | A | B | B | B | B | B | B | B | C | C | C | D | D | D | D | D | D | D | E | E | E | E | B | B | B | B | B | B | B
| D | D | D | D | D | D | D | B | B | B | B | B | B | B | D | D | D | D | B | B |
Result
------
Got     : AAAAAAABBBBBBBCCCDDDDDDDEEEEBBBBBBBDDDDDDDBBBBBBBDDDDBB
Expected: AAAAAAABBBBBBBCCCDDDDDDDEEEEBBBBBBBDDDDDDDBBBBBBBDDDDBB
Matches
```

test_RR_short.log

stdout:

```
Process count: 8
Strategy     : RR
Quantum      : 1
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        1 |        1 |
|  C |          2 |        1 |        1 |
|  D |          6 |        4 |        1 |
|  E |          7 |        2 |        1 |
|  F |          9 |        3 |        1 |
|  G |         20 |        5 |        1 |
|  H |         22 |        3 |        1 |
+--------------------------------------+
Starting RR scheduler
 A | B | A | C | A |   | D | E | D | E | F | D | F | D | F |   |   |   |   |   | G | G | H | G | H | G | H | G |
Result
------
Got     : ABACA DEDEFDFDF     GGHGHGHG
Expected: ABACA DEDEFDFDF     GGHGHGHG
Matches
```

test_RR_simple.log

stdout:

```
Process count: 3
Strategy     : RR
Quantum      : 2
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        2 |        4 |
|  C |          2 |        2 |        2 |
+--------------------------------------+
Starting RR scheduler
 A | A | B | B | C | C | A |
Result
------
Got     : AABBCCA
Expected: AABBCCA
Matches
```

test_SJN_complex.log

stdout:

```
Process count: 6
Strategy     : SJN
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        5 |        1 |
|  B |          1 |        2 |        1 |
|  C |          2 |        3 |        1 |
|  D |          5 |        1 |        1 |
|  E |          7 |        4 |        1 |
|  F |          8 |        2 |        1 |
+--------------------------------------+
Starting SJN scheduler
 A | A | A | A | A | D | B | B | F | F | C | C | C | E | E | E | E |
Result
------
Got     : AAAAADBBFFCCCEEEE
Expected: AAAAADBBFFCCCEEEE
Matches
```

test_SJN_simple.log

stdout:

```
Process count: 3
Strategy     : SJN
+--------------------------------------+
| ID | Start Time | Duration | Priority |
+--------------------------------------+
|  A |          0 |        3 |        1 |
|  B |          1 |        4 |        4 |
|  C |          2 |        2 |        2 |
+---------------------------------------+
Starting SJN scheduler
 A | A | A | C | C | B | B | B | B |
Result
------
Got     : AAACCBBBB
Expected: AAACCBBBB
Matches
```

test_queue_add.log

stdout:

```
Creating a single queue with new_queue
Adding a single element with queue_add
Checking if next of queue head is not NULL
Checking if next->next is NULL
test successful
```

test_queue_complex.log

stdout:

```
There are 26 letters in the alphabet. Let's shuffle them (using the alphabet in reversed order)
Creating three queues
Moving first half of alphabet into queue_one
Moving second half of alphabet into queue_two
Merging from queue_one and queue_two into queue_three
Polling from queue_three and creating new string
Freeing all three queues
Result: zmylxkwjviuhtgsfreqdpcobna
Comparing new string to expected output
test successful
```

test_queue_free.log

stdout:

```
Creating a single queue with new_queue
Freeing queue again
test successful
```

test_queue_many.log

stdout:

```
Creating 10 queues
Adding 100 elements to each queue with special values in between
Polling first 49 elements from each queue
Peeking all queues, expecting special value
Polling all queues, expecting special value
Polling another 48 elements from each queue
Polling all queues, expecting special value
Freeing all queues (with one element still left over)
test successful
```

test_queue_new.log

stdout:

```
Creating a single queue with new_queue
Checking next of new queue head is NULL
test successful
```

test_queue_peek.log

stdout:

```
Creating a single queue with new_queue
Peeking queue and checking value
Adding a single element with queue_add
Peeking queue and checking value
Peeking queue again
test successful
```

test_queue_poll.log

stdout:

```
Creating a single queue with new_queue
Adding a single element with queue_add
Polling queue and checking value
Polling queue again
test successful
```

test_queue_simple.log

stdout:

```
Creating new queue
Adding A to queue
Peeking queue
Adding B to queue
Polling queue
Polling queue
Peeking queue (should be empty)
Polling queue (should be empty)
Freeing queue
test successful
```