Assignment 4 Outputs

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Outputs

Enter the filename to read from: src/processList.txt

(3,2,30,2) (4,1,15,3) (2,1,20,1) (1,2,10,1) (5,1,10,5)

Time Unit: 1

BEFORE:

Heap:

(3,2,30,2) (4,1,15,3) (2,1,20,1) (1,2,10,1) (5,1,10,5)

CPU:

DURING:

Heap:

(2,1,20,1) (4,1,15,3) (5,1,10,5) (1,2,10,1)

CPU:

(3,2,30,2)

AFTER:

Heap:

(3,1,30,2) (2,1,20,1) (5,1,10,5) (1,2,10,1) (4,1,15,3)

CPU:

Time Unit: 2

BEFORE:

Heap:

(3,1,30,2) (2,1,20,1) (5,1,10,5) (1,2,10,1) (4,1,15,3)

CPU:

DURING:

Heap:

(2,1,20,1) (4,1,15,3) (5,1,10,5) (1,2,10,1)

CPU:

(3,1,30,2)

Process completed

AFTER:

Heap:

(2,1,20,1) (4,1,15,3) (5,1,10,5) (1,2,10,1)

CPU:

Time Unit: 3

BEFORE:

Heap:

(2,1,20,1) (4,1,15,3) (5,1,10,5) (1,2,10,1)

CPU:

DURING:

Heap:

(4,1,15,3) (1,2,10,1) (5,1,10,5)

CPU:

(2,1,20,1)

Process completed

AFTER:

Heap:

(4,1,15,3) (1,2,10,1) (5,1,10,5)

CPU:

Time Unit: 4

BEFORE:

Heap:

(4,1,15,3) (1,2,10,1) (5,1,10,5)

CPU:

DURING:

Heap:

(5,1,10,5) (1,2,10,1)

CPU:

(4,1,15,3)

Process completed

AFTER:

Heap:

(5,1,10,5) (1,2,10,1)

CPU:

Time Unit: 5

BEFORE:

Heap:

(5,1,10,5) (1,2,10,1)

CPU:

DURING:

Heap:

(1,2,10,1)

CPU:

(5,1,10,5)

Process completed

AFTER:

Heap:

(1,2,10,1)

CPU:

Time Unit: 6

BEFORE:

Heap:

(1,2,10,1)

CPU:

DURING:

Heap:

CPU:

(1,2,10,1)

AFTER:

Heap:

(1,1,10,1)

CPU:

Time Unit: 7

BEFORE:

Heap:

(1,1,10,1)

CPU:

DURING:

Heap:

CPU:

(1,1,10,1)

Process completed

AFTER:

Heap:

CPU:

Enter the filename to read from: src/processList.txt

(1,3,60,1) (2,1,10,1) (6,2,60,5) (4,3,10,3) (5,1,10,5) (3,2,30,2)

Time Unit: 1

BEFORE:

Heap: (1,3,60,1) (2,1,10,1) (6,2,60,5) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

DURING:

Heap: (6,2,60,5) (2,1,10,1) (3,2,30,2) (4,3,10,3) (5,1,10,5)

CPU:(1,3,60,1)

AFTER:

Heap: (6,2,60,5) (2,1,10,1) (1,2,60,1) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

Time Unit: 2

BEFORE:

Heap: (6,2,60,5) (2,1,10,1) (1,2,60,1) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

DURING:

Heap: (1,2,60,1) (2,1,10,1) (3,2,30,2) (4,3,10,3) (5,1,10,5)

CPU:(6,2,60,5)

AFTER:

Heap: (1,2,60,1) (2,1,10,1) (6,1,60,5) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

Time Unit: 3

BEFORE:

Heap: (1,2,60,1) (2,1,10,1) (6,1,60,5) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

DURING:

Heap: (6,1,60,5) (2,1,10,1) (3,2,30,2) (4,3,10,3) (5,1,10,5)

CPU:(1,2,60,1)

AFTER:

Heap: (6,1,60,5) (2,1,10,1) (1,1,60,1) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

Time Unit: 4

BEFORE:

Heap: (6,1,60,5) (2,1,10,1) (1,1,60,1) (4,3,10,3) (5,1,10,5) (3,2,30,2)

CPU:

DURING:

Heap: (1,1,60,1) (2,1,10,1) (3,2,30,2) (4,3,10,3) (5,1,10,5)

CPU:(6,1,60,5)

Process completed

AFTER:

Heap: (1,1,60,1) (2,1,10,1) (3,2,30,2) (4,3,10,3) (5,1,10,5)

CPU:

Time Unit: 5

BEFORE:

Heap: (1,1,60,1) (2,1,10,1) (3,2,30,2) (4,3,10,3) (5,1,10,5)

CPU:

DURING:

Heap: (3,2,30,2) (2,1,10,1) (5,1,10,5) (4,3,10,3)

CPU:(1,1,60,1)

Process completed

AFTER:

Heap: (3,2,30,2) (2,1,10,1) (5,1,10,5) (4,3,10,3)

CPU:

Time Unit: 6

BEFORE:

Heap: (3,2,30,2) (2,1,10,1) (5,1,10,5) (4,3,10,3)

CPU:

DURING:

Heap: (4,3,10,3) (2,1,10,1) (5,1,10,5)

CPU:(3,2,30,2)

AFTER:

Heap: (3,1,30,2) (4,3,10,3) (5,1,10,5) (2,1,10,1)

CPU:

Time Unit: 7

BEFORE:

Heap: (3,1,30,2) (4,3,10,3) (5,1,10,5) (2,1,10,1)

CPU:

DURING:

Heap: (2,1,10,1) (4,3,10,3) (5,1,10,5)

CPU:(3,1,30,2)

Process completed

AFTER:

Heap: (2,1,10,1) (4,3,10,3) (5,1,10,5)

CPU:

Time Unit: 8

BEFORE:

Heap: (2,1,10,1) (4,3,10,3) (5,1,10,5)

CPU:

DURING:

Heap: (5,1,10,5) (4,3,10,3)

CPU:(2,1,10,1)

Process completed

AFTER:

Heap: (5,1,10,5) (4,3,10,3)

CPU:

Time Unit: 9

BEFORE:

Heap: (5,1,10,5) (4,3,10,3)

CPU:

DURING:

Heap: (4,3,10,3)

CPU:(5,1,10,5)

Process completed

AFTER:

Heap: (4,3,10,3)

CPU:

Time Unit: 10

BEFORE:

Heap: (4,3,10,3)

CPU:

DURING:

Heap:

CPU:(4,3,10,3)

AFTER:

Heap: (4,2,10,3)

CPU:

Time Unit: 11

BEFORE:

Heap: (4,2,10,3)

CPU:

DURING:

Heap:

CPU:(4,2,10,3)

AFTER:

Heap: (4,1,10,3)

CPU:

Time Unit: 12

BEFORE:

Heap: (4,1,10,3)

CPU:

DURING:

Heap:

CPU:(4,1,10,3)

Process completed

AFTER:

Heap:

CPU:

Enter the filename to read from: src/processList.txt

Time Unit: 1

BEFORE:

Heap: (6,2,60,5) (7,2,30,6) (3,1,25,2) (4,2,15,3) (5,1,10,5) (1,2,20,1) (7,1,10,6) (2,4,10,1)

CPU:

DURING:

Heap: (7,2,30,6) (4,2,15,3) (3,1,25,2) (2,4,10,1) (5,1,10,5) (1,2,20,1) (7,1,10,6)

CPU:(6,2,60,5)

AFTER:

Heap: (6,1,60,5) (7,2,30,6) (3,1,25,2) (4,2,15,3) (5,1,10,5) (1,2,20,1) (7,1,10,6) (2,4,10,1)

CPU:

Time Unit: 2

BEFORE:

Heap: (6,1,60,5) (7,2,30,6) (3,1,25,2) (4,2,15,3) (5,1,10,5) (1,2,20,1) (7,1,10,6) (2,4,10,1)

CPU:

DURING:

Heap: (7,2,30,6) (4,2,15,3) (3,1,25,2) (2,4,10,1) (5,1,10,5) (1,2,20,1) (7,1,10,6)

CPU:(6,1,60,5)

Process completed

AFTER:

Heap: (7,2,30,6) (4,2,15,3) (3,1,25,2) (2,4,10,1) (5,1,10,5) (1,2,20,1) (7,1,10,6)

CPU:

Time Unit: 3

BEFORE:

Heap: (7,2,30,6) (4,2,15,3) (3,1,25,2) (2,4,10,1) (5,1,10,5) (1,2,20,1) (7,1,10,6)

CPU:

DURING:

Heap: (3,1,25,2) (4,2,15,3) (1,2,20,1) (2,4,10,1) (5,1,10,5) (7,1,10,6)

CPU:(7,2,30,6)

AFTER:

Heap: (7,1,30,6) (4,2,15,3) (3,1,25,2) (2,4,10,1) (5,1,10,5) (7,1,10,6) (1,2,20,1)

CPU:

Time Unit: 4

BEFORE:

Heap: (7,1,30,6) (4,2,15,3) (3,1,25,2) (2,4,10,1) (5,1,10,5) (7,1,10,6) (1,2,20,1)

CPU:

DURING:

Heap: (3,1,25,2) (4,2,15,3) (1,2,20,1) (2,4,10,1) (5,1,10,5) (7,1,10,6)

CPU:(7,1,30,6)

Process completed

AFTER:

Heap: (3,1,25,2) (4,2,15,3) (1,2,20,1) (2,4,10,1) (5,1,10,5) (7,1,10,6)

CPU:

Time Unit: 5

BEFORE:

Heap: (3,1,25,2) (4,2,15,3) (1,2,20,1) (2,4,10,1) (5,1,10,5) (7,1,10,6)

CPU:

DURING:

Heap: (1,2,20,1) (4,2,15,3) (7,1,10,6) (2,4,10,1) (5,1,10,5)

CPU:(3,1,25,2)

Process completed

AFTER:

Heap: (1,2,20,1) (4,2,15,3) (7,1,10,6) (2,4,10,1) (5,1,10,5)

CPU:

Time Unit: 6

BEFORE:

Heap: (1,2,20,1) (4,2,15,3) (7,1,10,6) (2,4,10,1) (5,1,10,5)

CPU:

DURING:

Heap: (4,2,15,3) (5,1,10,5) (7,1,10,6) (2,4,10,1)

CPU:(1,2,20,1)

AFTER:

Heap: (1,1,20,1) (4,2,15,3) (7,1,10,6) (2,4,10,1) (5,1,10,5)

CPU:

Time Unit: 7

BEFORE:

Heap: (1,1,20,1) (4,2,15,3) (7,1,10,6) (2,4,10,1) (5,1,10,5)

CPU:

DURING:

Heap: (4,2,15,3) (5,1,10,5) (7,1,10,6) (2,4,10,1)

CPU:(1,1,20,1)

Process completed

AFTER:

Heap: (4,2,15,3) (5,1,10,5) (7,1,10,6) (2,4,10,1)

CPU:

Time Unit: 8

BEFORE:

Heap: (4,2,15,3) (5,1,10,5) (7,1,10,6) (2,4,10,1)

CPU:

DURING:

Heap: (2,4,10,1) (5,1,10,5) (7,1,10,6)

CPU:(4,2,15,3)

AFTER:

Heap: (4,1,15,3) (2,4,10,1) (7,1,10,6) (5,1,10,5)

CPU:

Time Unit: 9

BEFORE:

Heap: (4,1,15,3) (2,4,10,1) (7,1,10,6) (5,1,10,5)

CPU:

DURING:

Heap: (5,1,10,5) (2,4,10,1) (7,1,10,6)

CPU:(4,1,15,3)

Process completed

AFTER:

Heap: (5,1,10,5) (2,4,10,1) (7,1,10,6)

CPU:

Time Unit: 10

BEFORE:

Heap: (5,1,10,5) (2,4,10,1) (7,1,10,6)

CPU:

DURING:

Heap: (7,1,10,6) (2,4,10,1)

CPU:(5,1,10,5)

Process completed

AFTER:

Heap: (7,1,10,6) (2,4,10,1)

CPU:

Time Unit: 11

BEFORE:

Heap: (7,1,10,6) (2,4,10,1)

CPU:

DURING:

Heap: (2,4,10,1)

CPU:(7,1,10,6)

Process completed

AFTER:

Heap: (2,4,10,1)

CPU:

Time Unit: 12

BEFORE:

Heap: (2,4,10,1)

CPU:

DURING:

Heap:

CPU:(2,4,10,1)

AFTER:

Heap: (2,3,10,1)

CPU:

Time Unit: 13

BEFORE:

Heap: (2,3,10,1)

CPU:

DURING:

Heap:

CPU:(2,3,10,1)

AFTER:

Heap: (2,2,10,1)

CPU:

Time Unit: 14

BEFORE:

Heap: (2,2,10,1)

CPU:

DURING:

Heap:

CPU:(2,2,10,1)

AFTER:

Heap: (2,1,10,1)

CPU:

Time Unit: 15

BEFORE:

Heap: (2,1,10,1)

CPU:

DURING:

Heap:

CPU:(2,1,10,1)

Process completed

AFTER:

Heap:

CPU: