

## Output using the Input from Assignment

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OSC10e-July2018 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
osc@ubuntu:~/assignment/AA4$ make run
./allocation 1048576
Allocated 1048576 bytes of memory
Allocator>rq p0 200000 b
Sucessfully allocated 200000 to process P0
Allocator>rq p1 350000 b
Sucessfully allocated 350000 to process P1
Allocator>rq p2 300000 b
Sucessfully allocated 300000 to process P2
Allocator>rl p0
releasing memory for process P0
Sucessfully released memory for process P0
Allocator>status
Partitions [Allocated memory = 650000]:
Address [200000:549999] Process P1
Address [550000:849999] Process P2

Holes [Free memory = 398576]:
Address [0:199999] len = 200000
Address [850000:1048575] len = 198576
Allocator>rq p3 120000 b
index = 0 delta = 80000 best delta = 1048576
index = 1 delta = 78576 best delta = 80000
Sucessfully allocated 120000 to process P3
Allocator>
```

Sucessfully allocated 120000 to process P3

Allocator>status

Partitions [Allocated memory = 770000]:

Address [200000:549999] Process P1

Address [550000:849999] Process P2

Address [850000:969999] Process P3

Holes [Free memory = 278576]:

Address [0:199999] len = 200000

Address [970000:1048575] len = 78576

Allocator>rq p4 150000 b

index = 0 delta = 50000 best delta = 1048576

Sucessfully allocated 150000 to process P4

Allocator>rq p5 80000 b

No hoe of sufficient size

Allocator>status

Partitions [Allocated memory = 920000]:

Address [0:149999] Process P4

Address [200000:549999] Process P1

Address [550000:849999] Process P2

Address [850000:969999] Process P3

Holes [Free memory = 128576]:

Address [150000:199999] len = 50000

Address [970000:1048575] len = 78576

Allocator>c

Compaction process is successful

Allocator>status

Partitions [Allocated memory = 920000]:

Address [0:149999] Process P4

Address [150000:499999] Process P1

Address [500000:799999] Process P2

Address [800000:919999] Process P3

Holes [Free memory = 128576]:

Address [920000:1048575] len = 128576

Allocator>