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# The Memory Assignment

Names:

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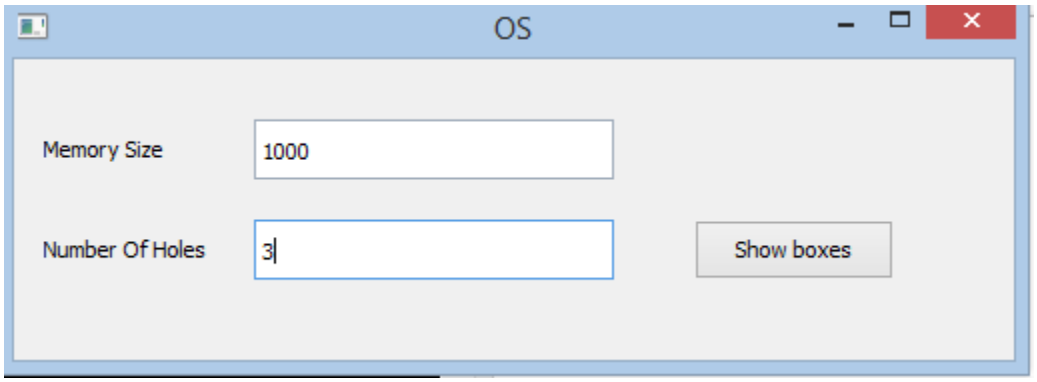
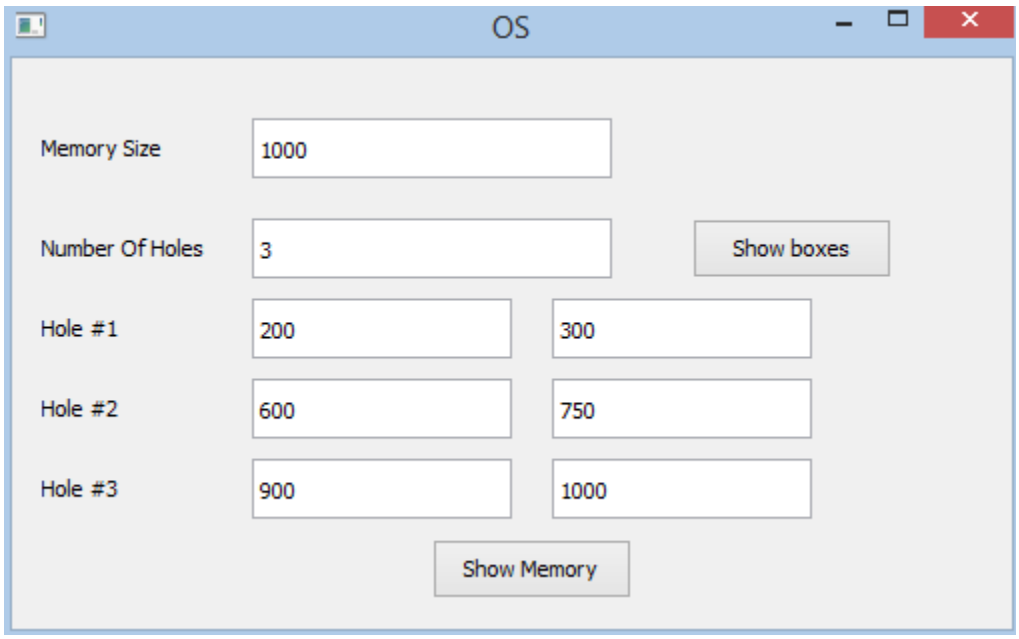
Sec: 2

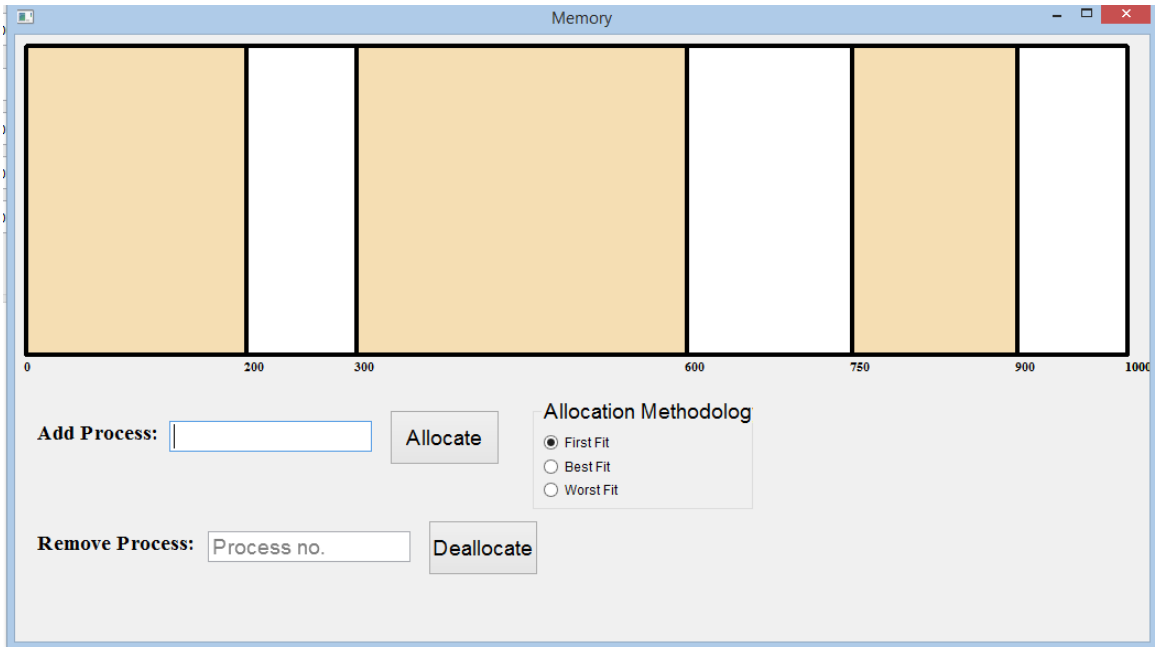
1-First, the user should input the size of memory and number of holes and then press (Show boxes) button.



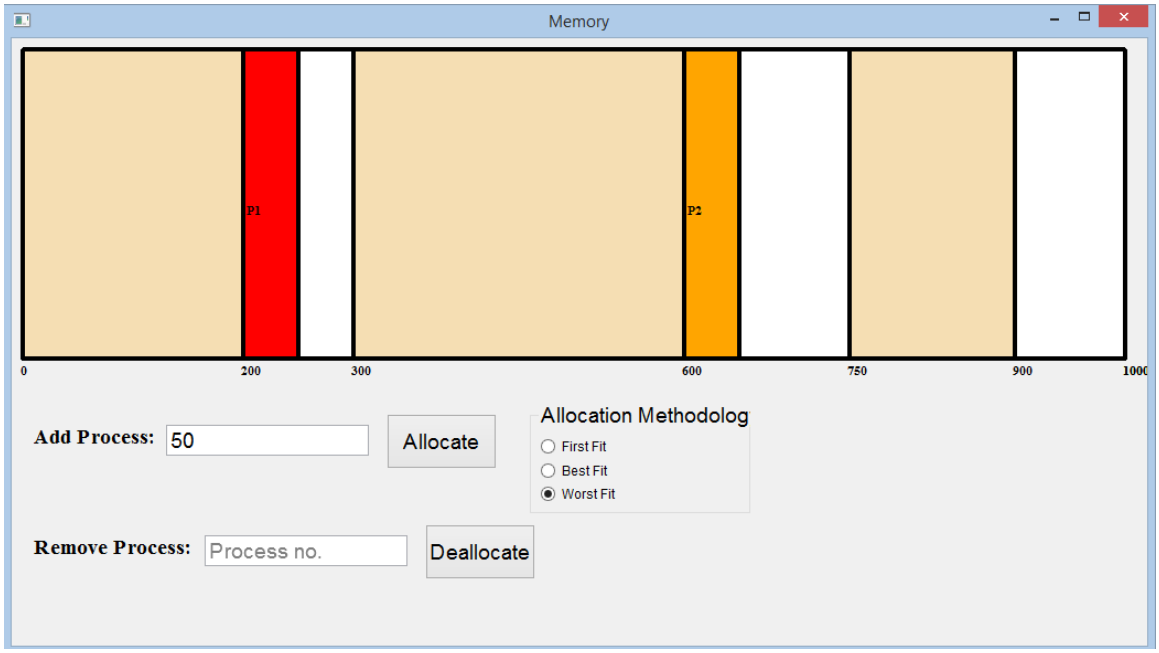

2-Second, the user should type the starting address and the ending address of each hole.

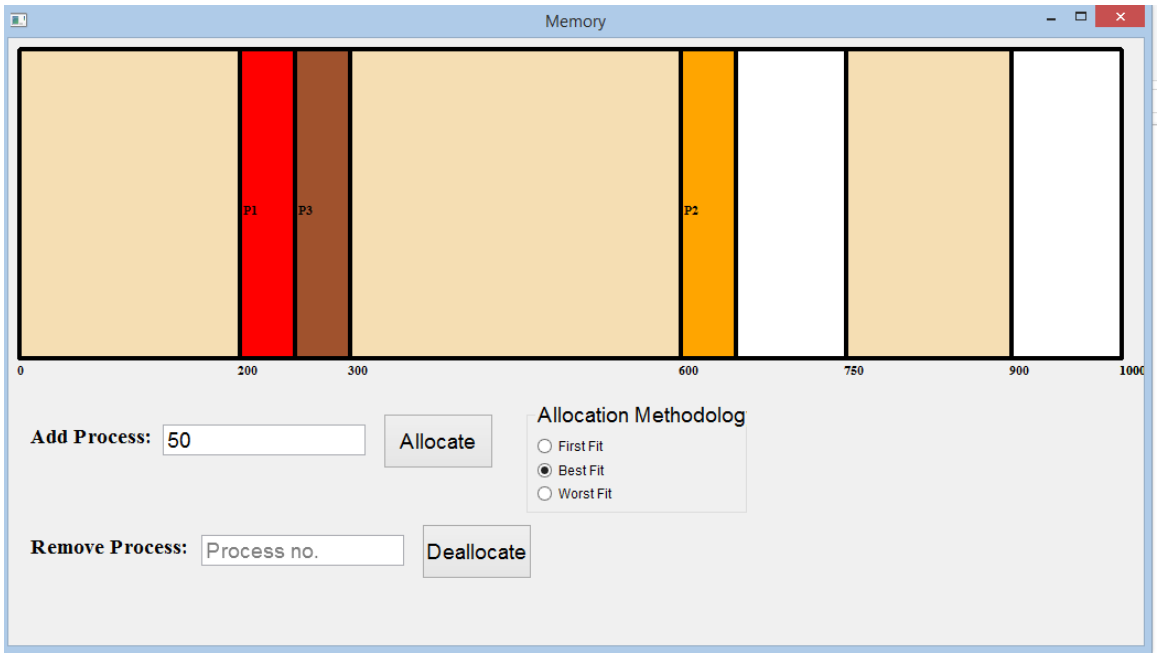


3-Clicking on (Show Memory) button generates a window containing our memory.

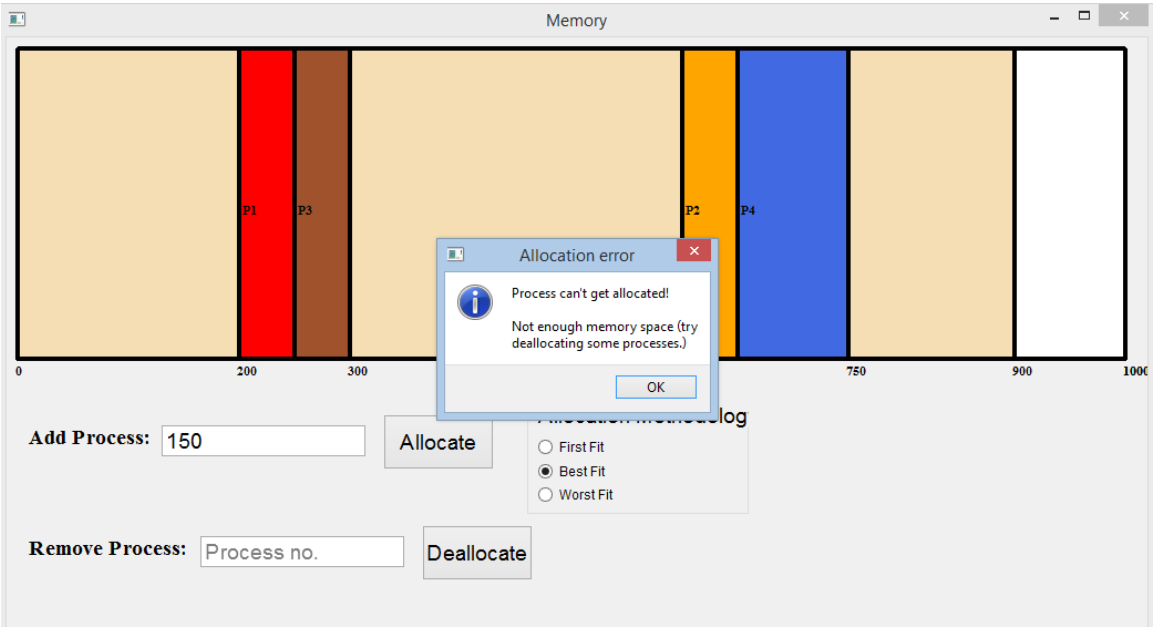


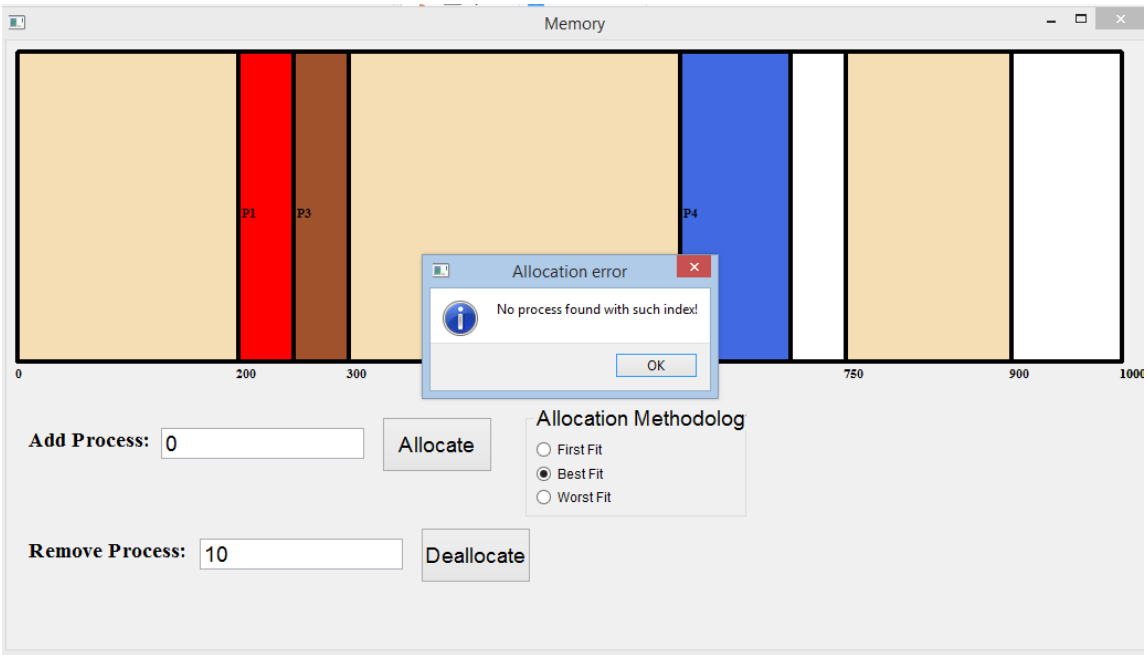

## Different allocation techniques:

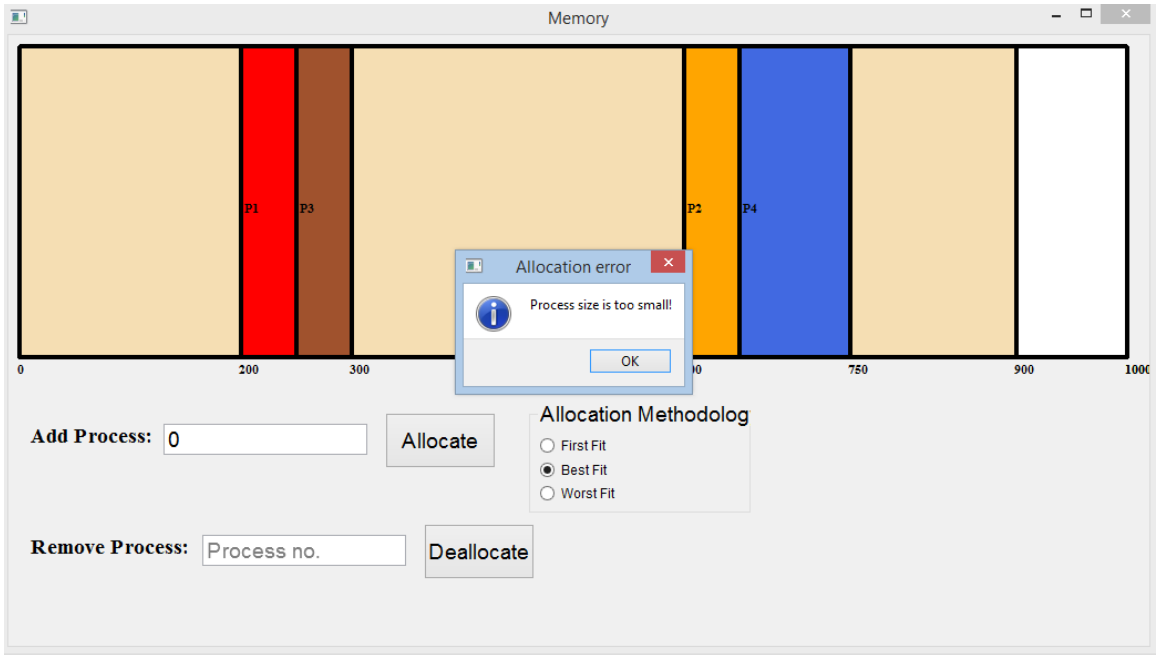

Memory
P1
P2
0
200
300
600
750
900
Add Process:
50
Allocate
Allocation Methodolog
First Fit
Best Fit
Worst Fit
Remove Process:
Process no.
Deallocate


Memory
P1
P3
P2
0
200
300
600
750
900
Add Process:
50
Allocate
Allocation Methodolog
First Fit
Best Fit
Worst Fit
Remove Process:
Process no.
Deallocate

Error handling:






Deallocation:

## Features:

1-When a process gets deallocated, if a hole is subjected to have more than one available space, processes of that hole get shifted so that the hole has one space only.

2-Error handling of some incorrect input data as shown in the screenshots.