Ain Shams University

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Memory Allocation

1

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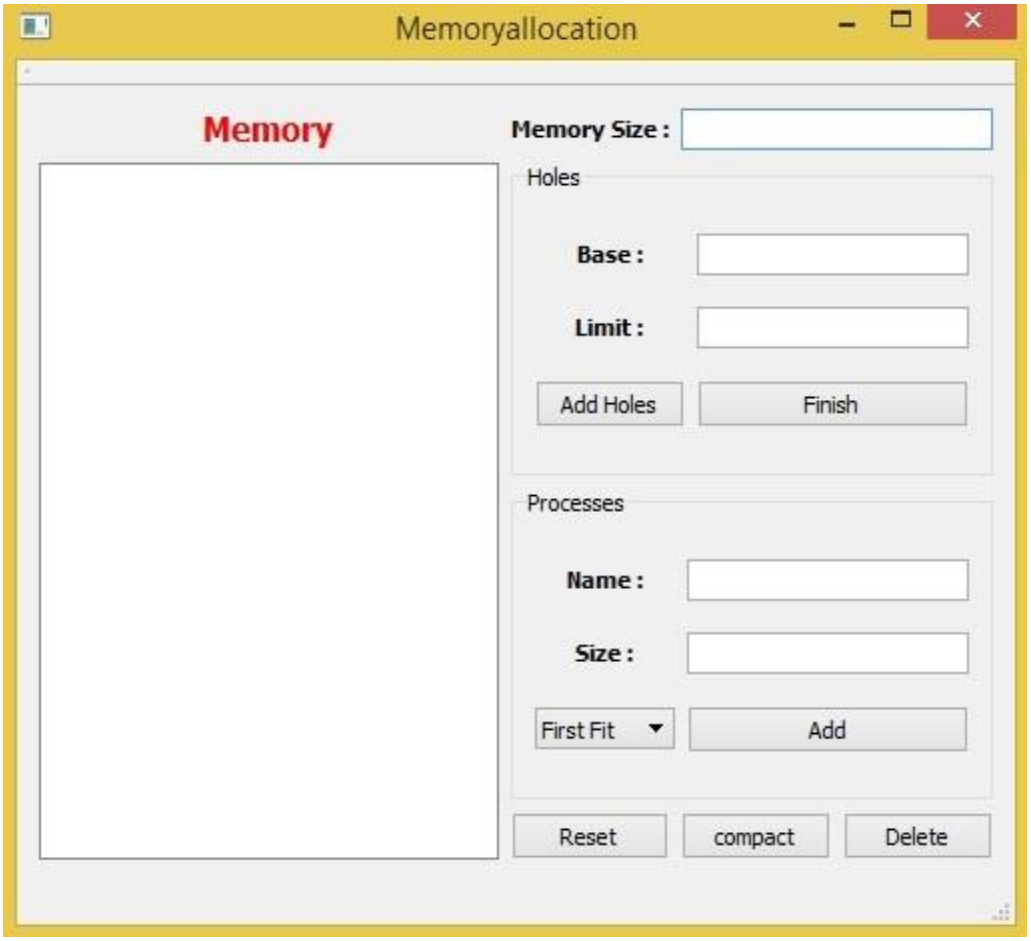
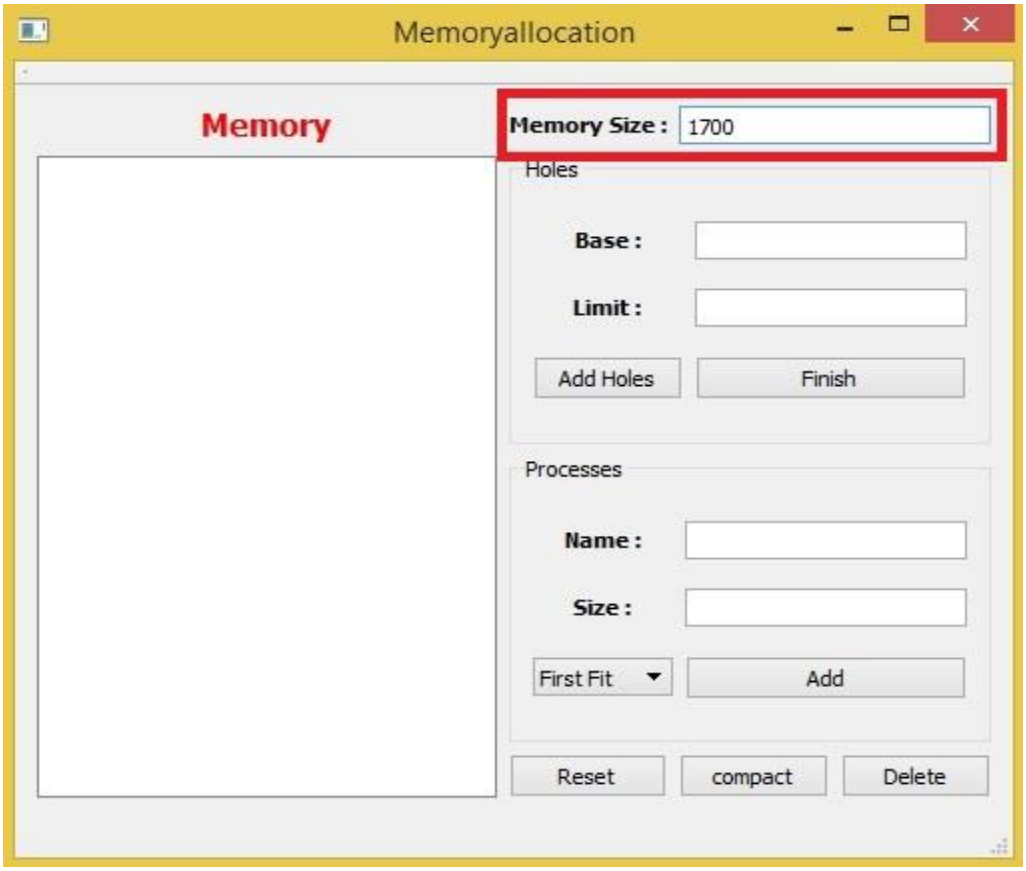
Program interface

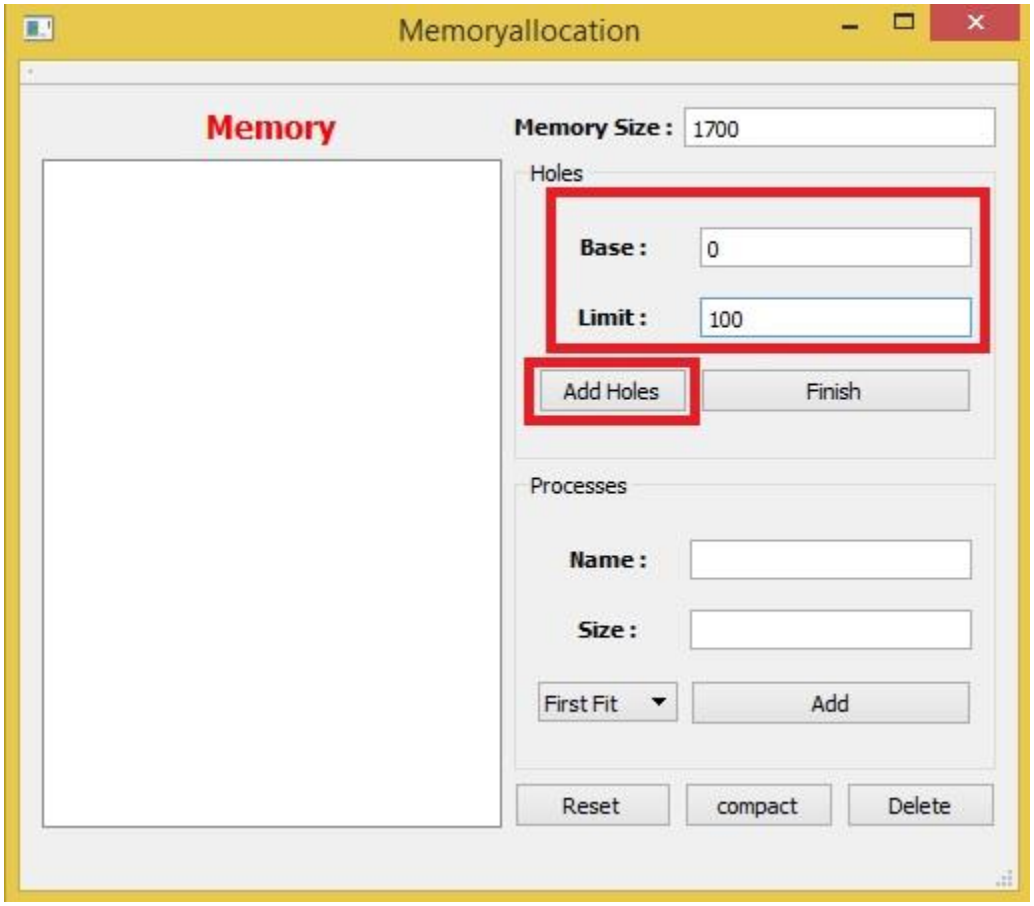


First Choose Memory Size

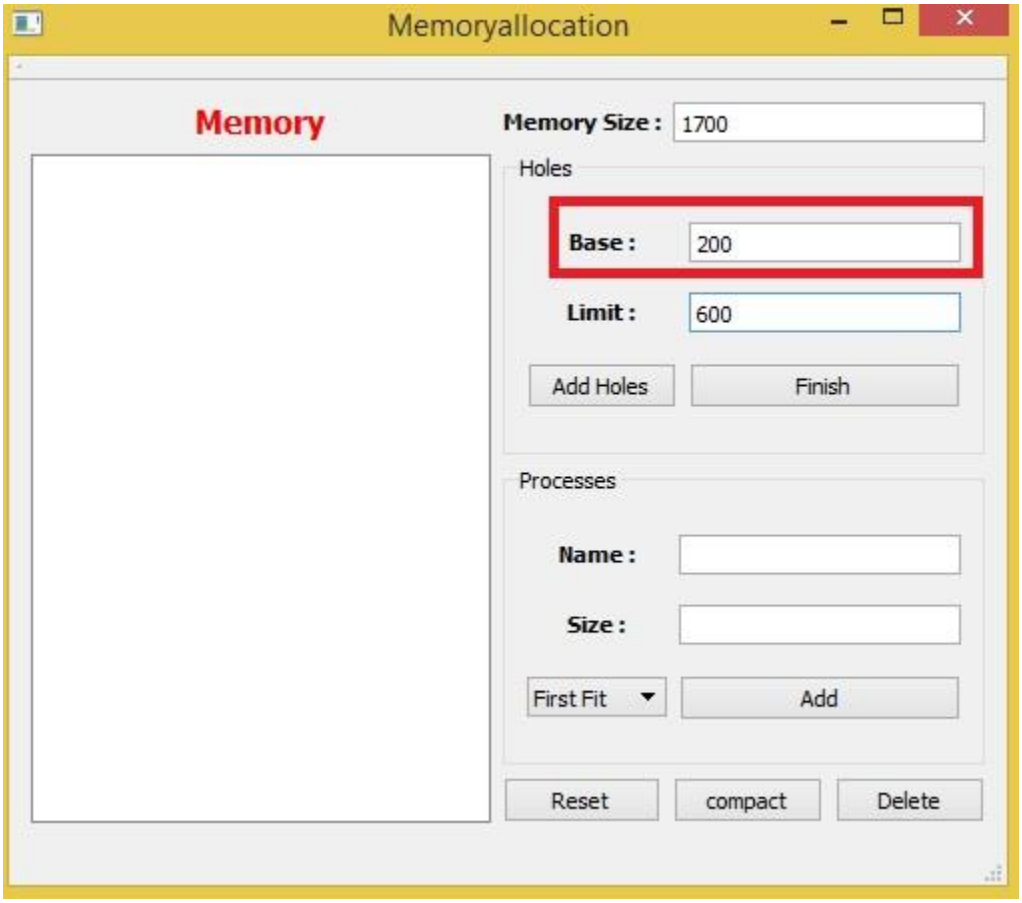


Then Add Holes

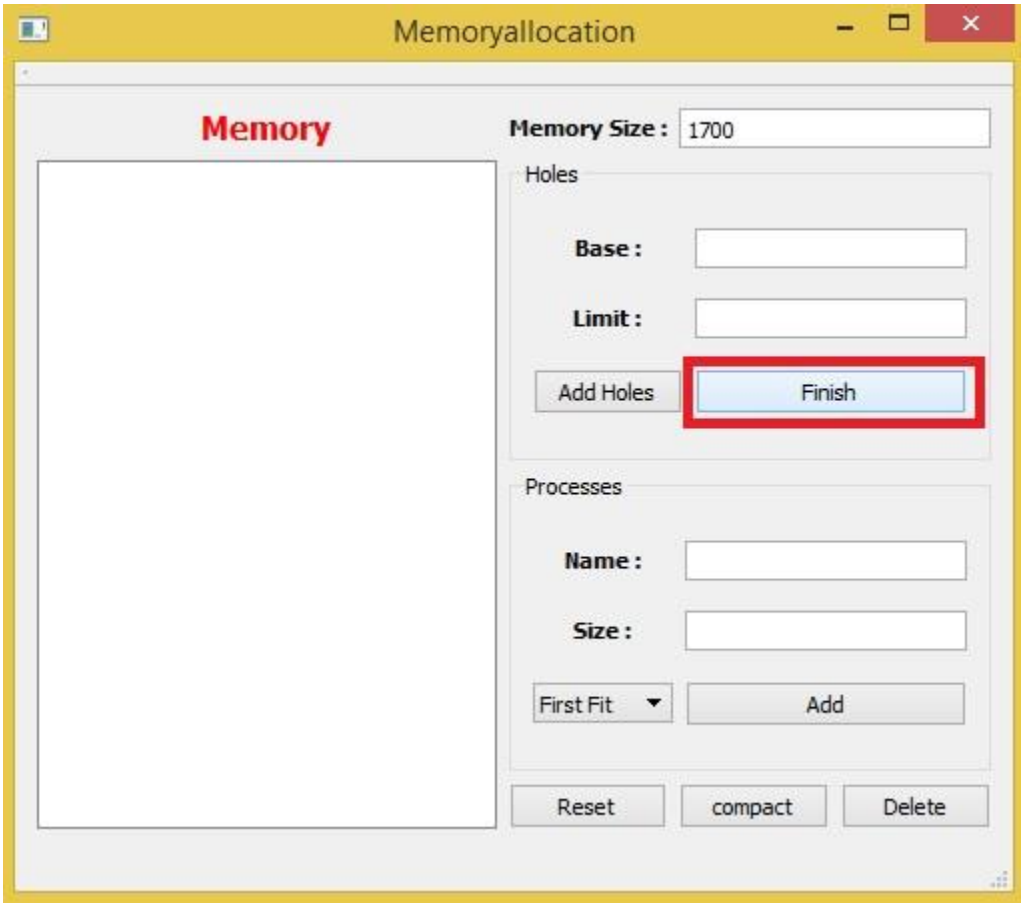
write Base & Limit Then click Add Holes



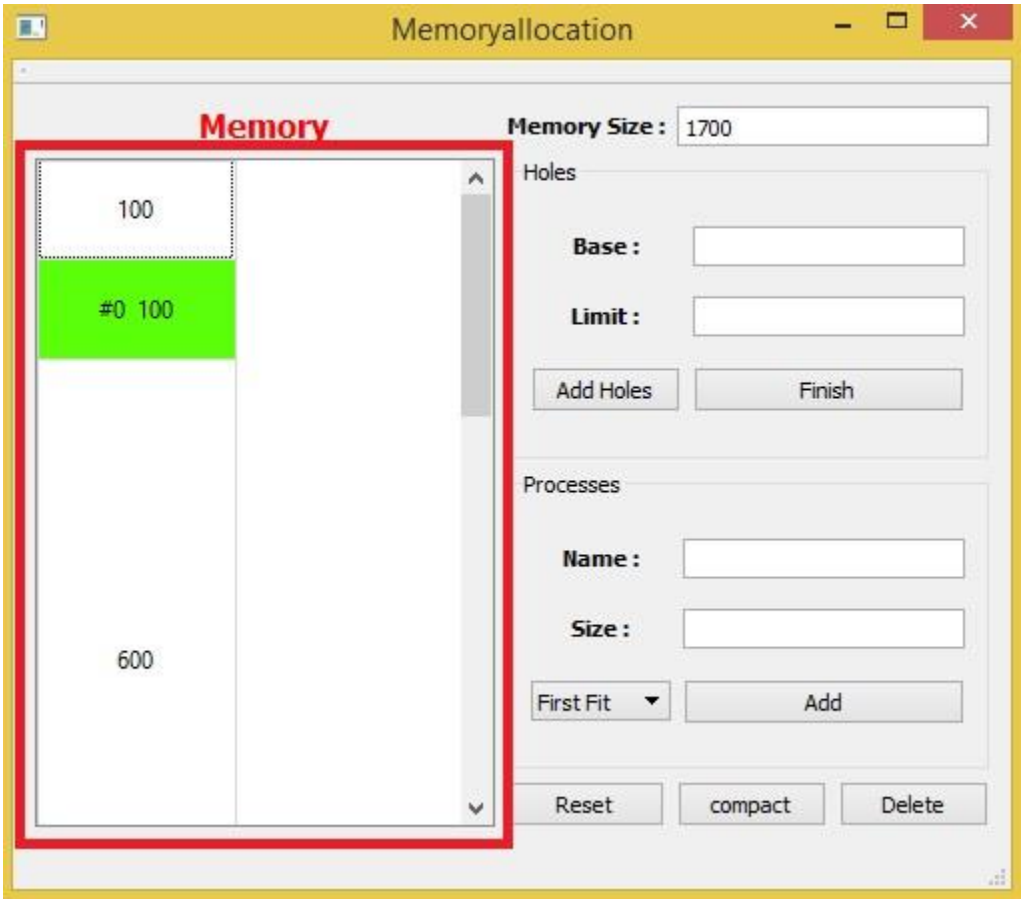
You can Add Holes with Different and separate Bases



After Adding all Holes Click Finish



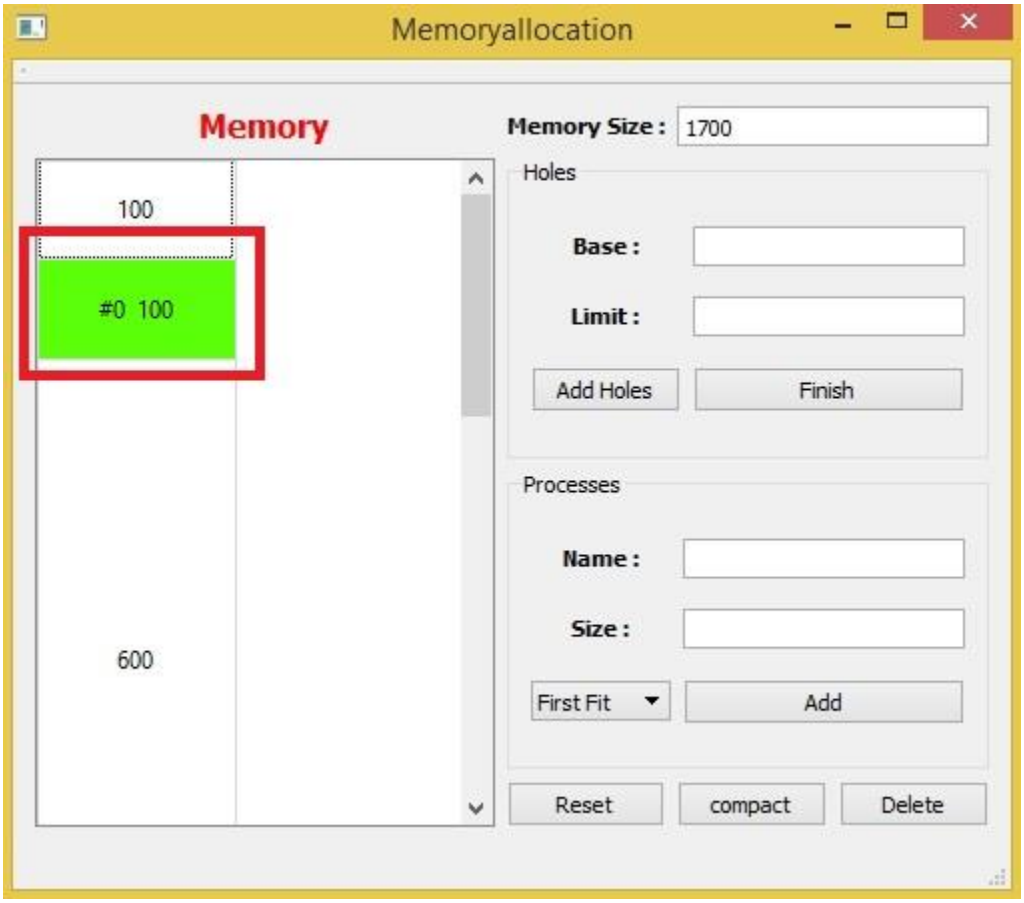
After Clicking Finish the Memory will be drawn



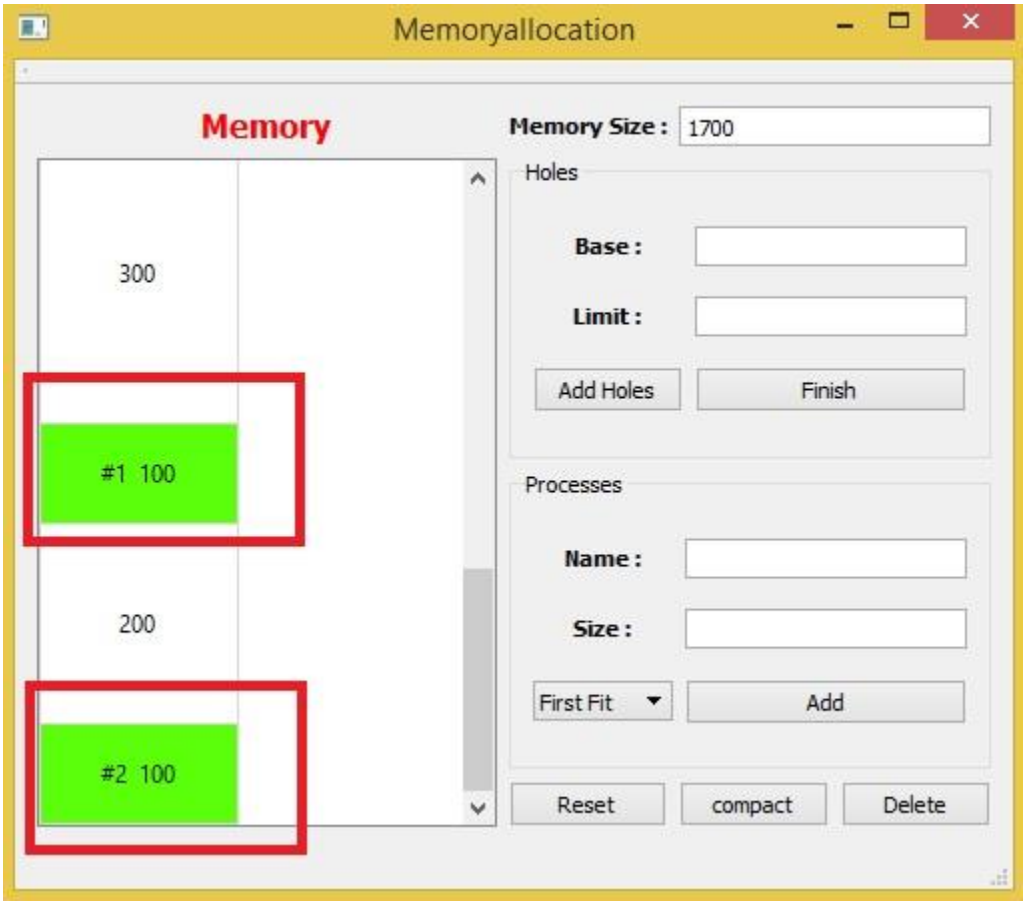
Holes : will take white color and its size will appear

Predefined Processes : Will Appear if there are spaces between Holes And it Will Take name #n

Where n is unique number



Predefined Processes : will Appear in every space without Holes even it in end or start



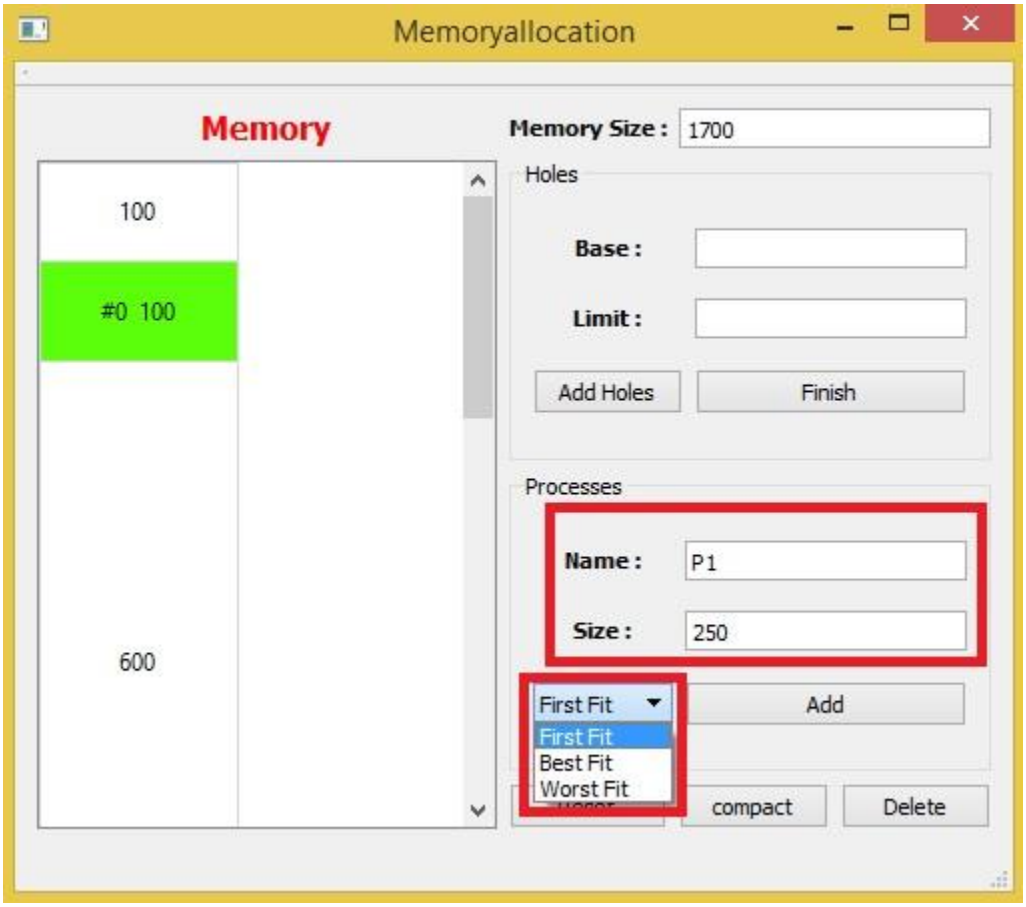
Now Add Processes

Write Name & Size Then choose the Algorithm

First Fit

Best Fit

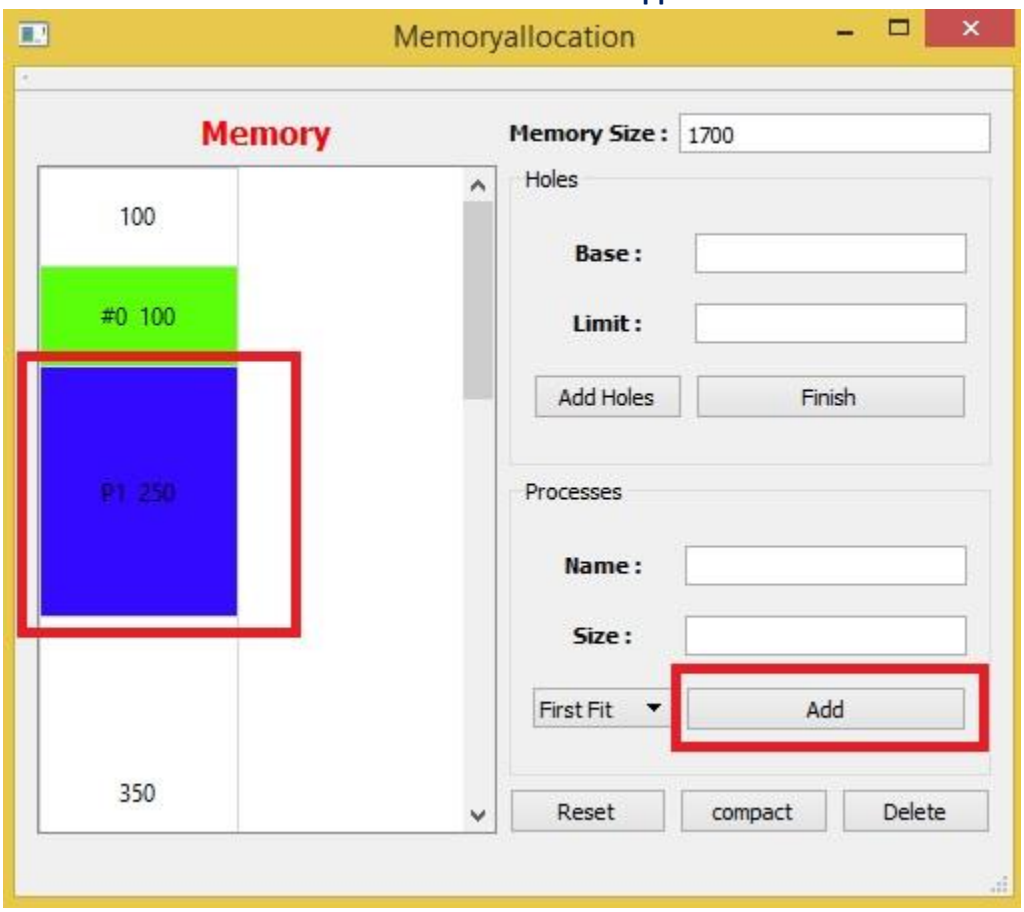
Worst Fit



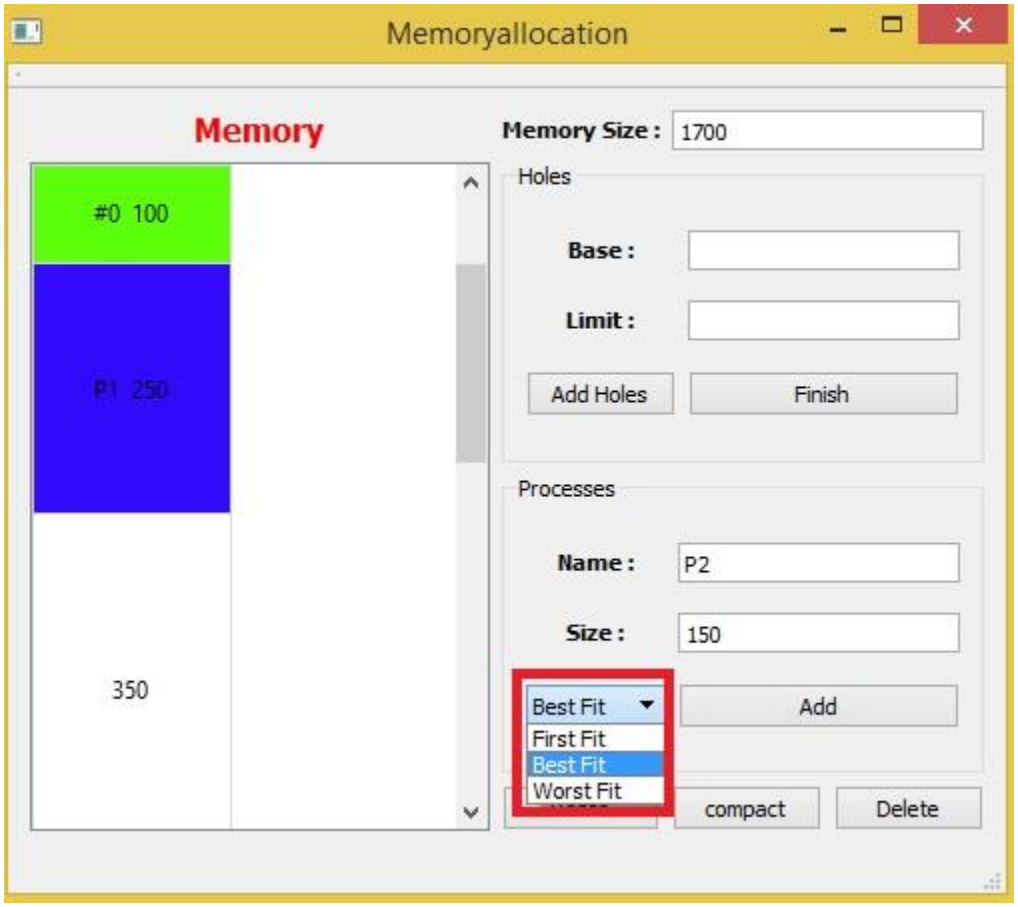
After setting Process Values Click Add

When you click it will be drawn immediately

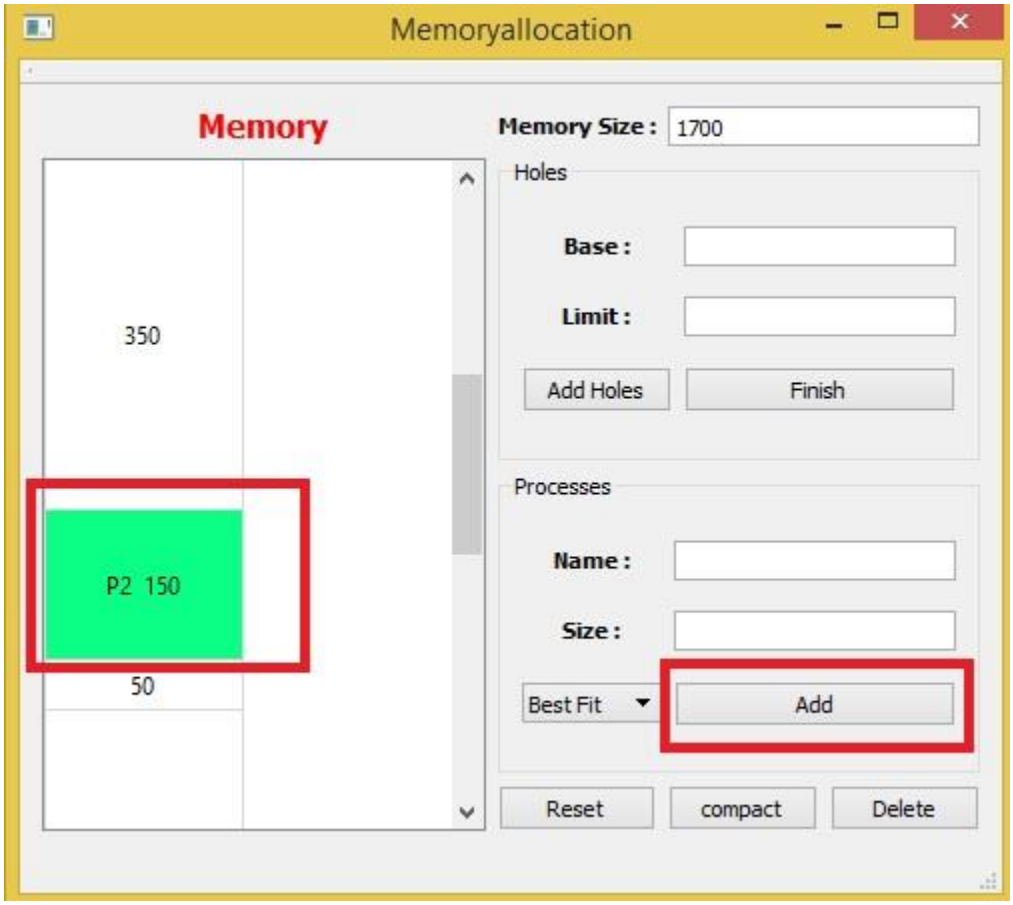
Process Name & Size Will appear



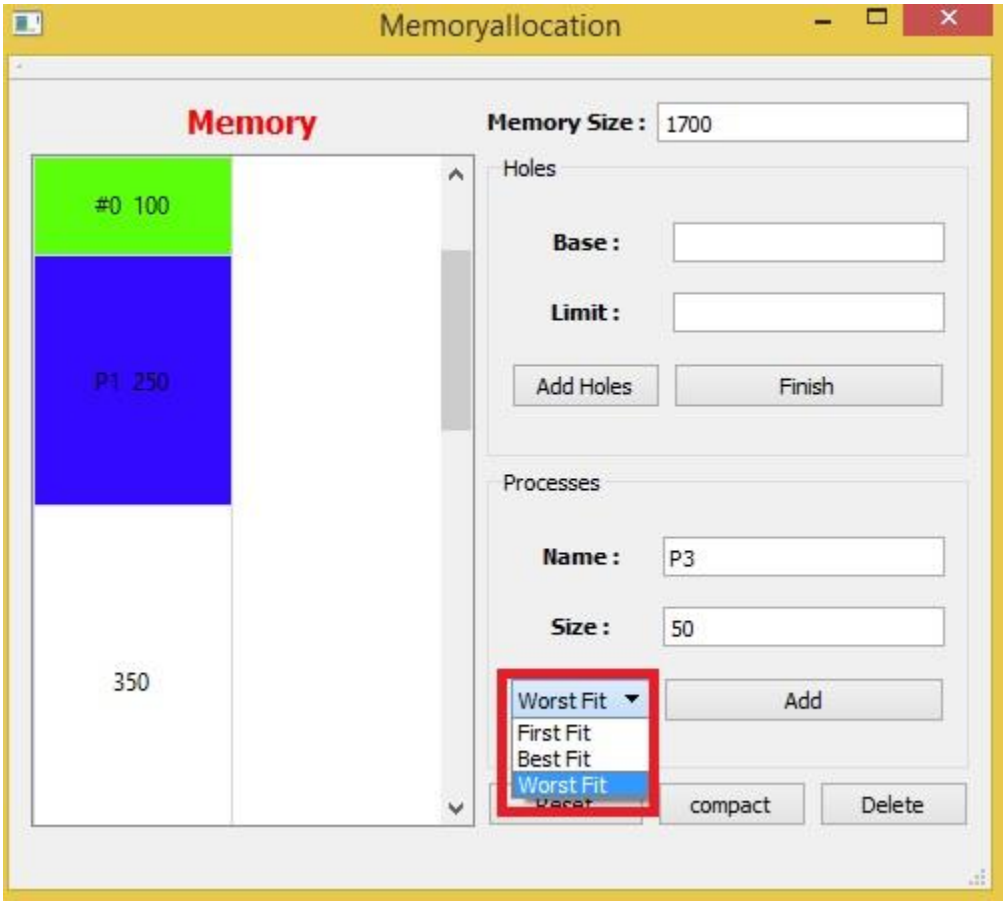
Best Fit Process



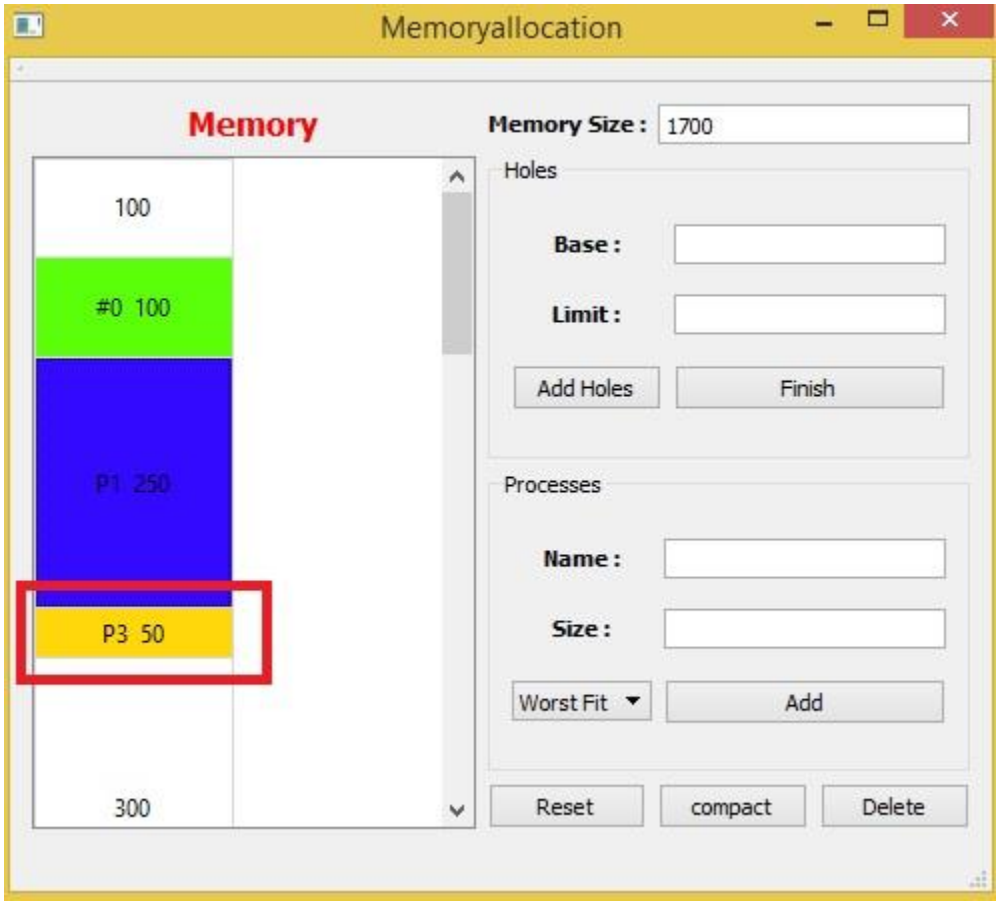
Will Fit in Smallest Hole Can fit it



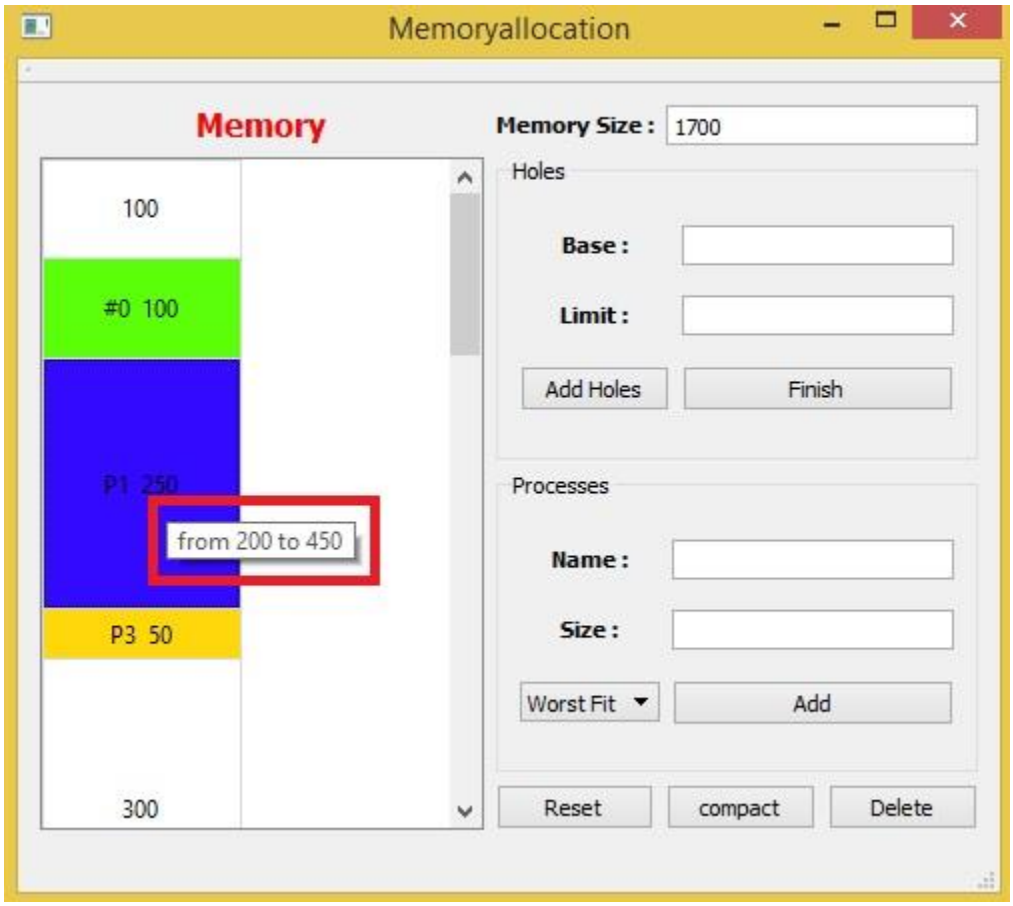
Worst Fit Process



Will Fit in Largest Hole Can fit it

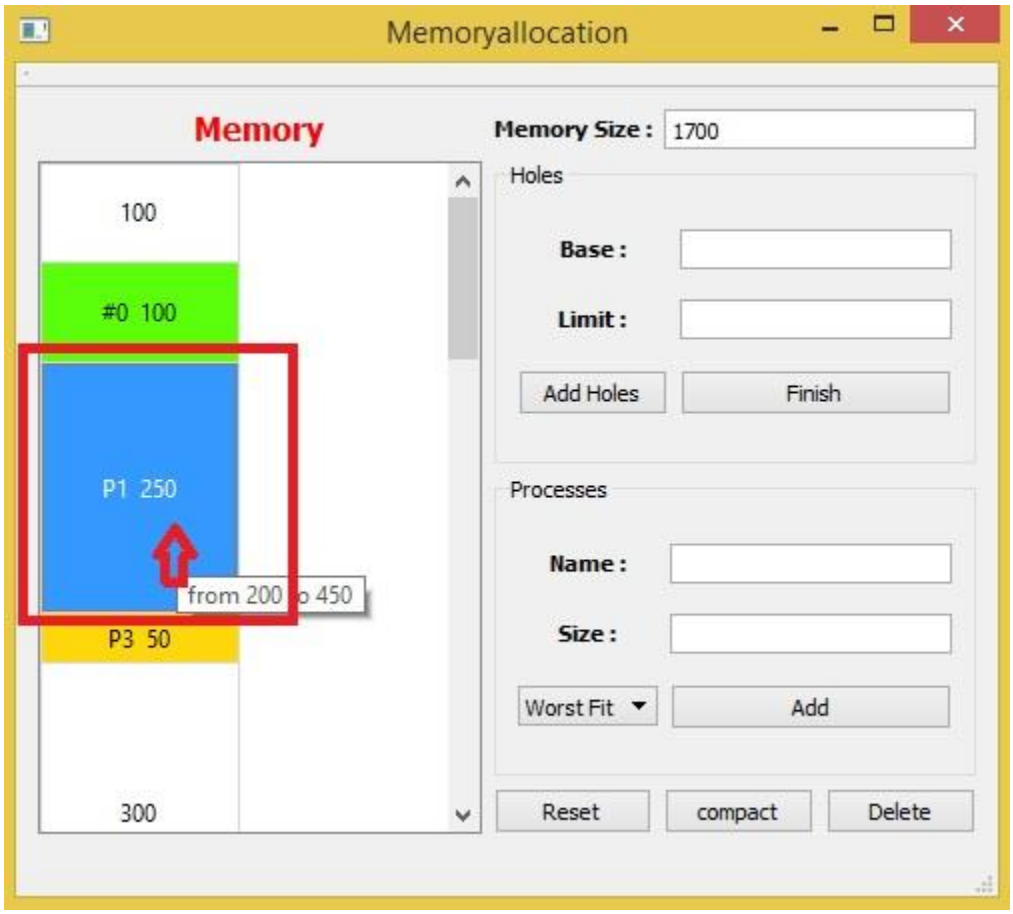


Mouse Over Any Process or Hole To see Its Start & End

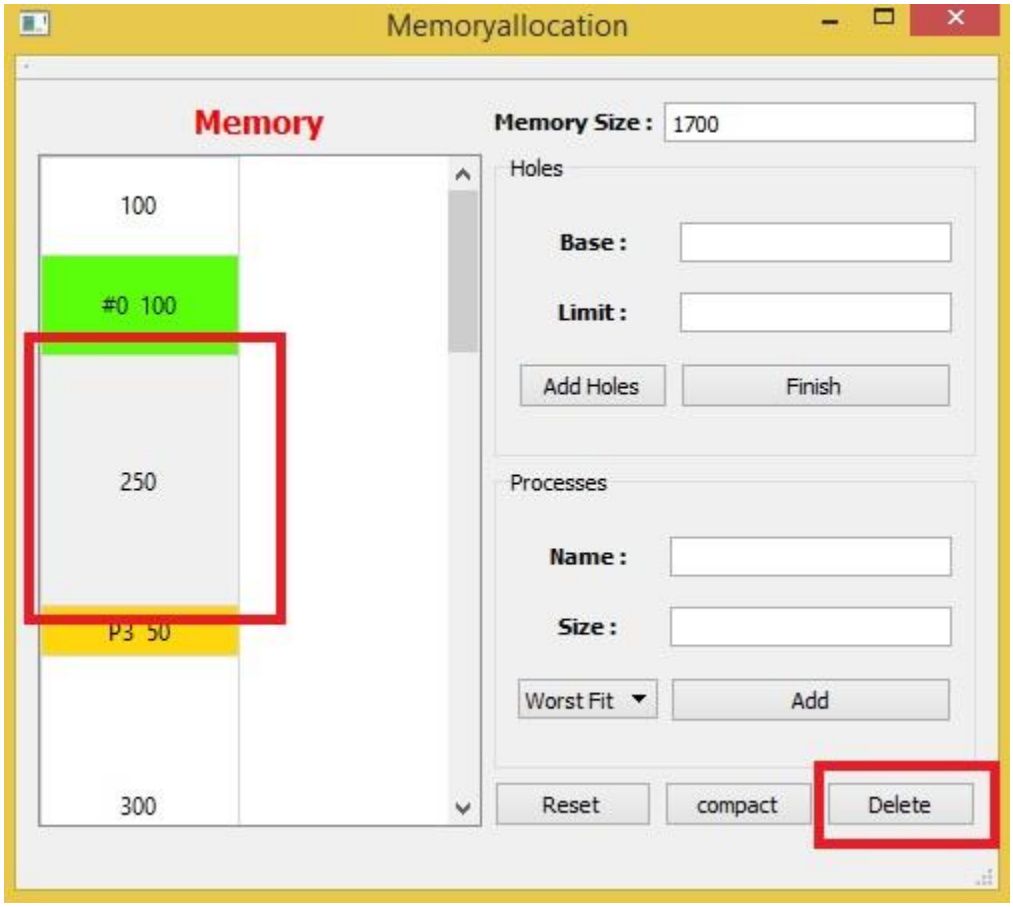


Delete Process

Click on Any Process In Memory Draw Then Click Delete

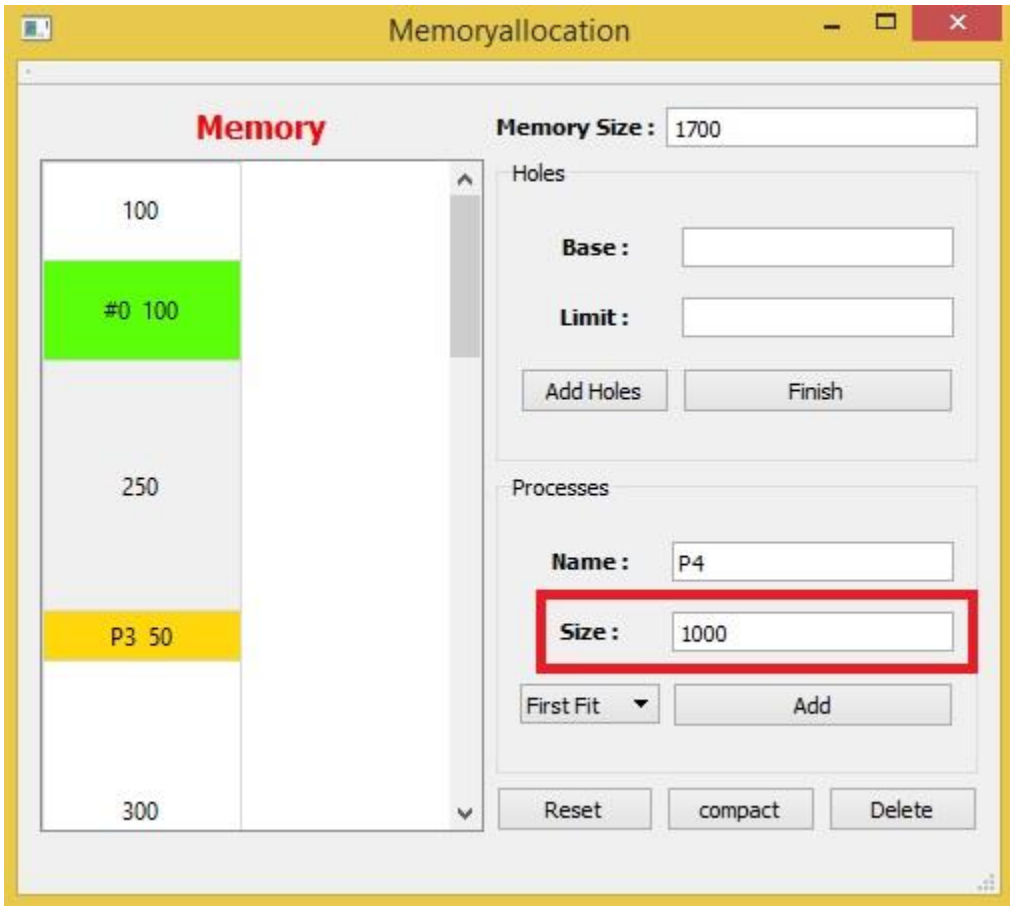


After Clicking Delete Its Space Will be Free Hole



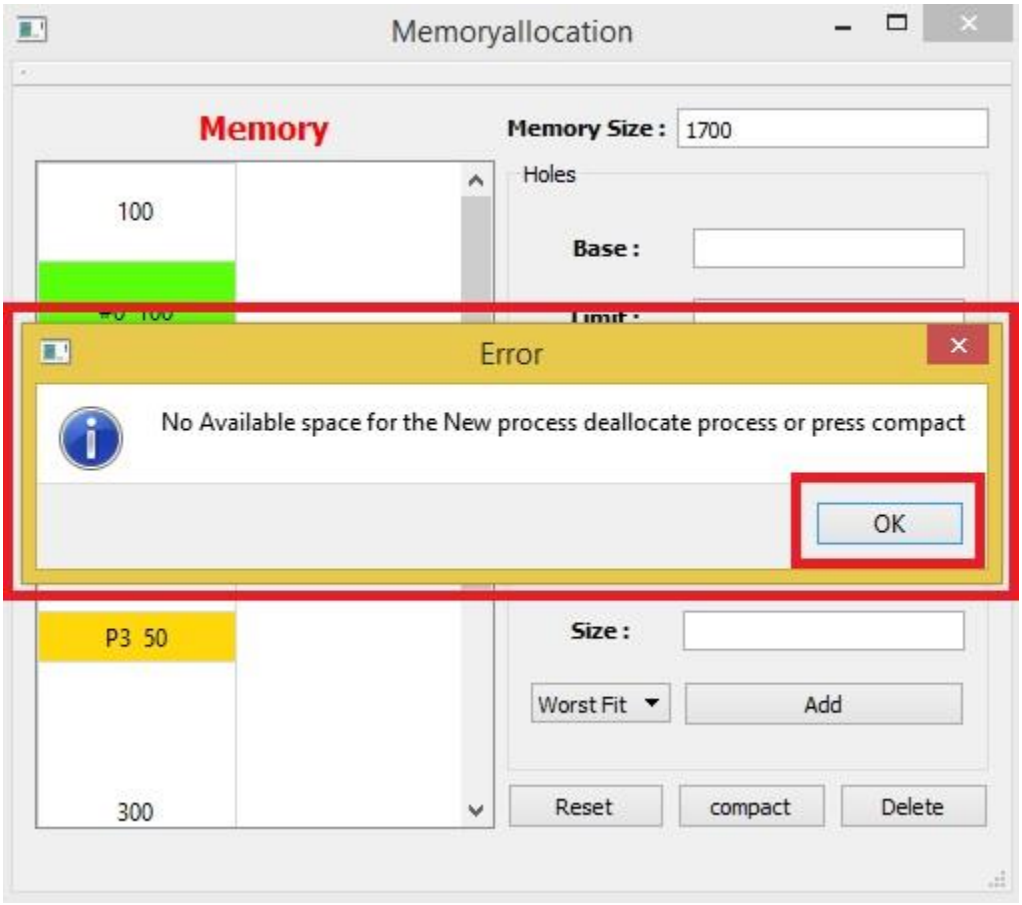
Adding Large Process

If you add New Process with Large Size That will not Fit Any Hole



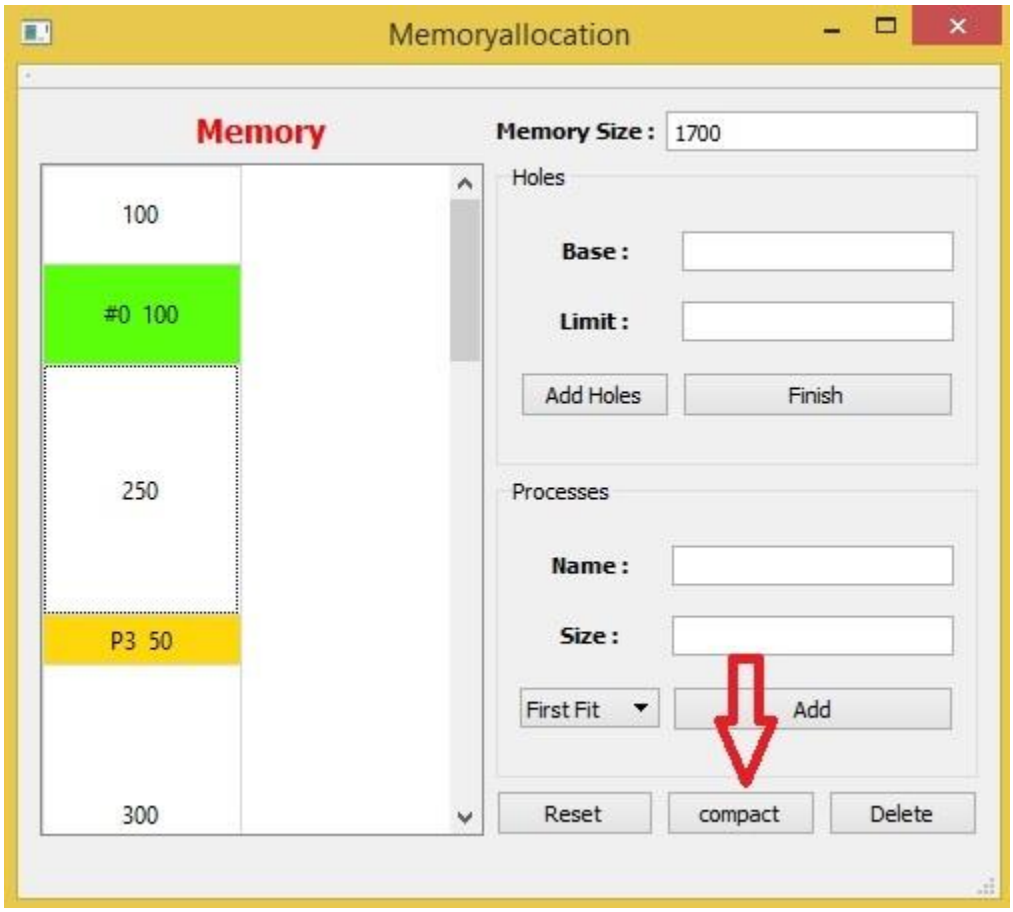
An Error Message Will Appear Warning You That Process Will not fit

and advice you to deallocate a process or Click Compact

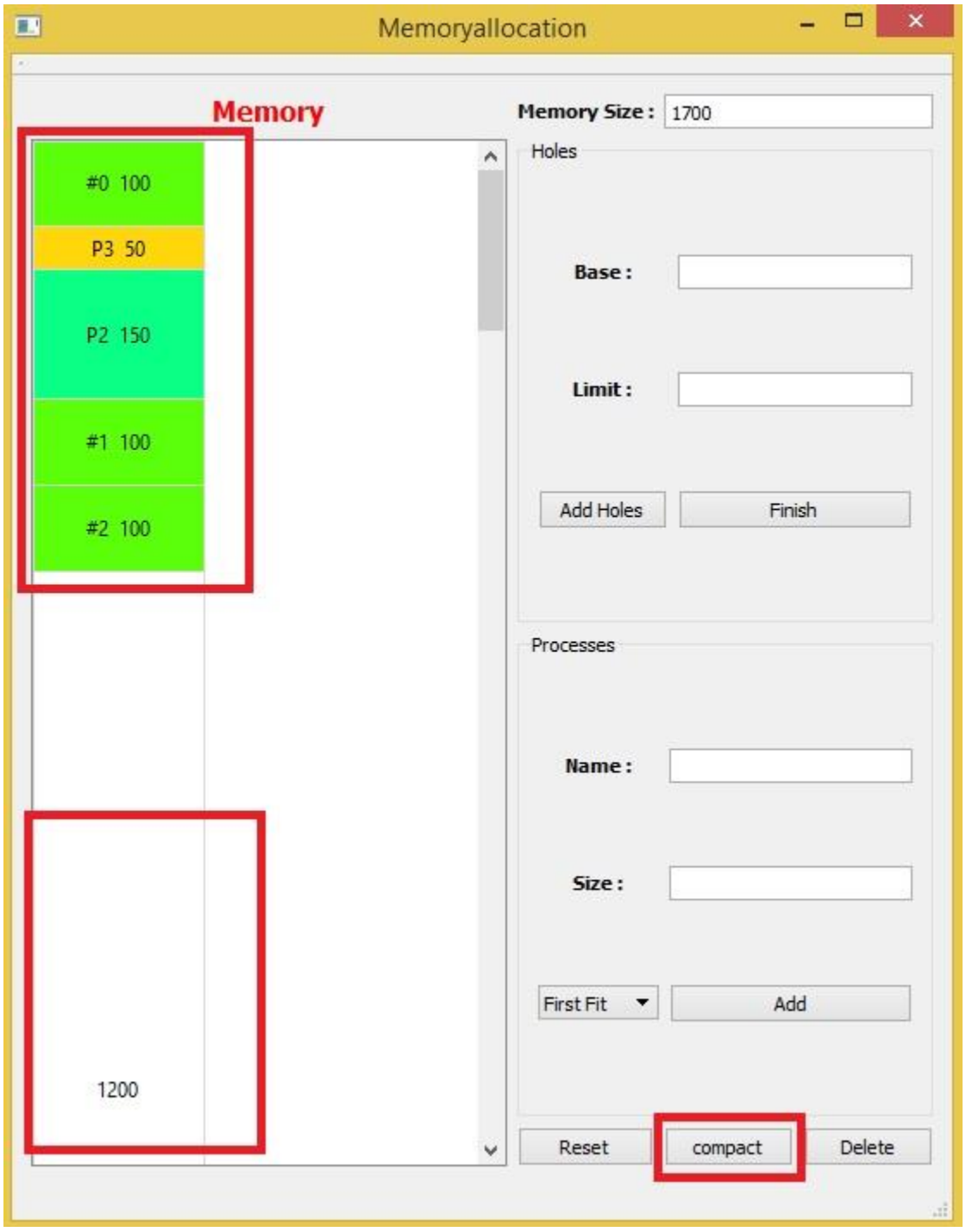


Compact

You can click it any time to compact Memory



After Click All Processes will be compressed
and all holes will be combined together and create a big sized hole Can be fit for big process



Reset

Click reset Any time To Reset Program