

**Ain Shams University**

**Faculty of engineering**

**Memory Allocation**

**1**

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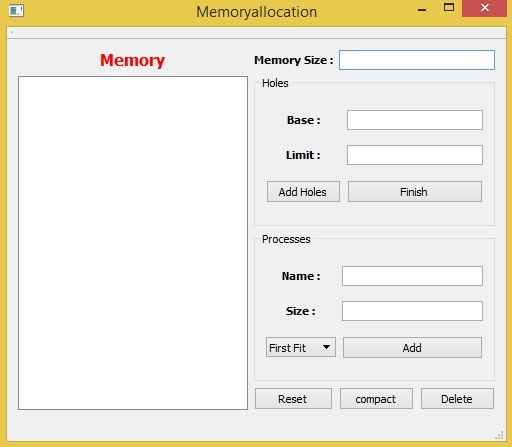
**B.N : 33867**

**2**

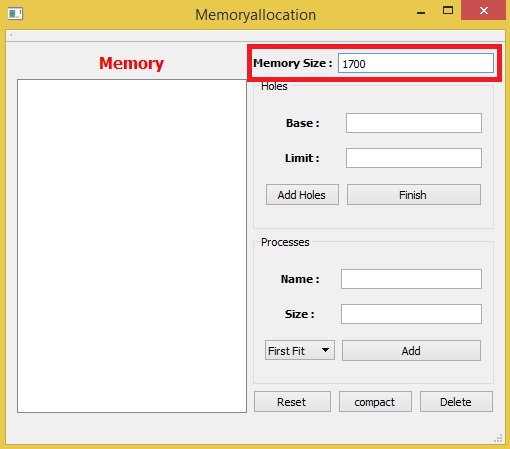
**Name : Mohamed Gamal Elsaid**

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B.N : 33870**

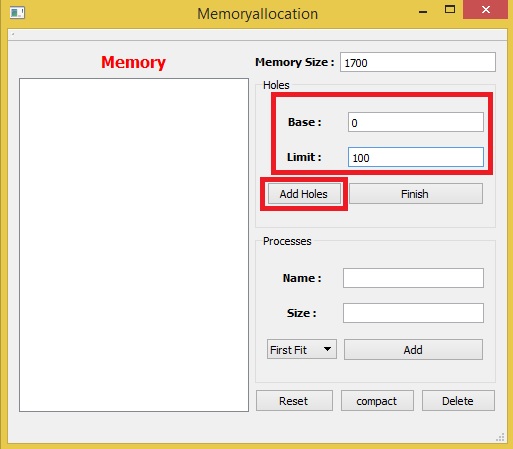
**Program interface**

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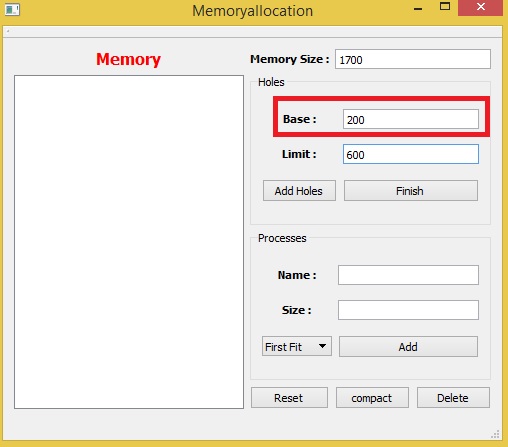
**First Choose Memory Size**

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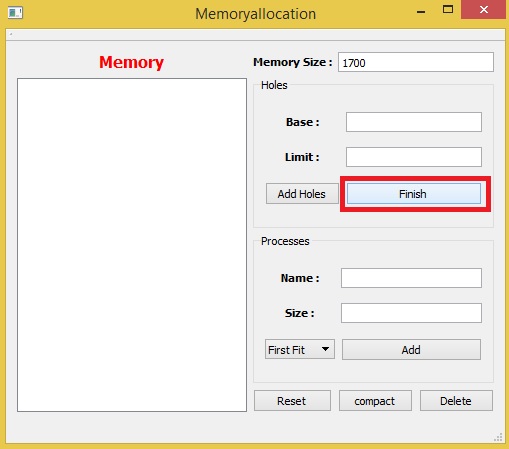
**Then Add Holes  
write Base & Limit Then click Add Holes**

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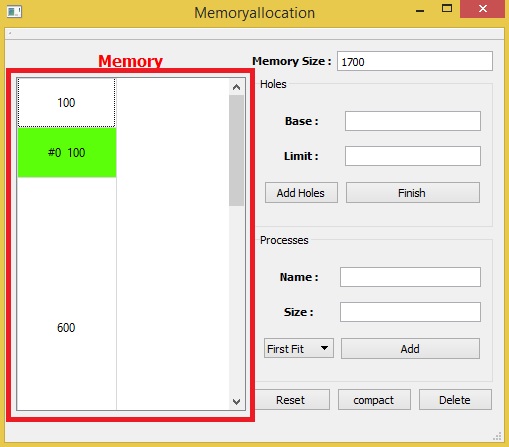
**You can Add Holes with Different and separate Bases**

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**After Adding all Holes Click Finish**

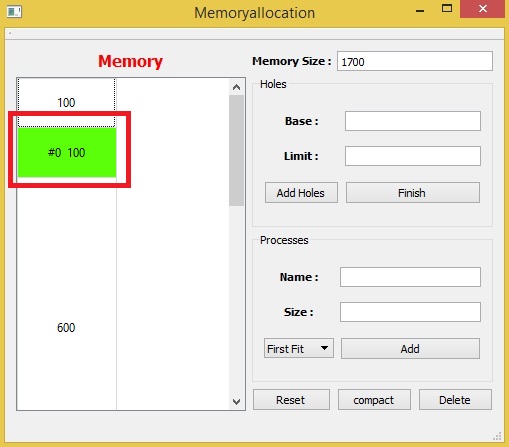
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**After Clicking Finish the Memory will be drawn**

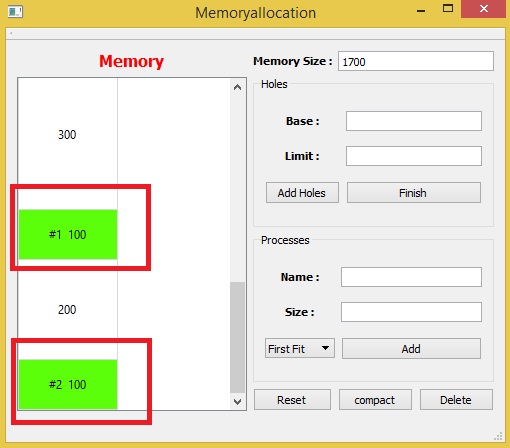
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**Holes : will take white color and its size will appear**

**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**

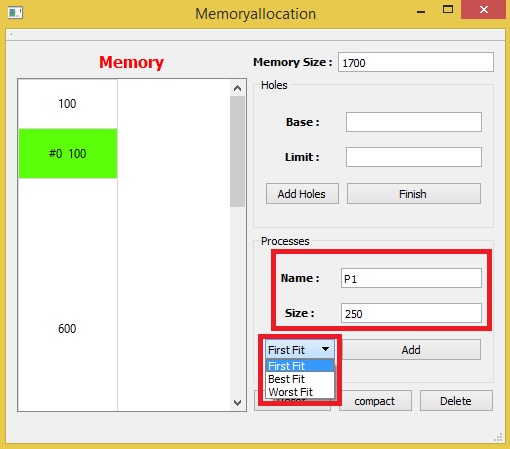
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**Now Add Processes**

**Write Name & Size Then choose the Algorithm  
First Fit**

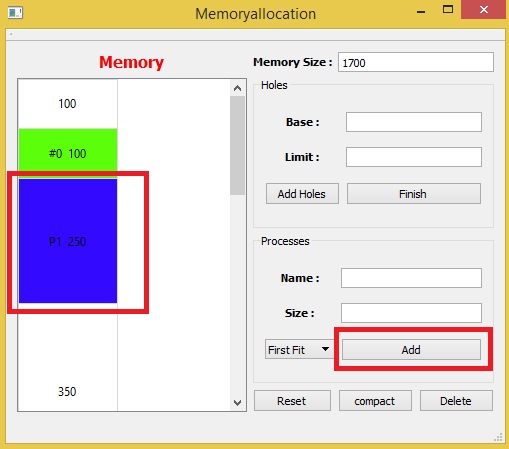
**Best Fit**

**Worst Fit**

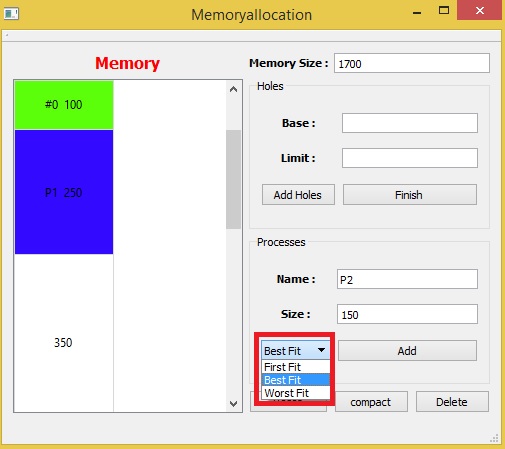
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**After setting Process Values Click Add**

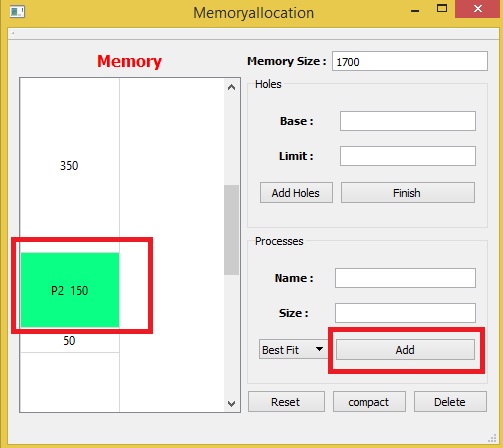
**When you click it will be drawn immediately**

**Process Name & Size Will appear **

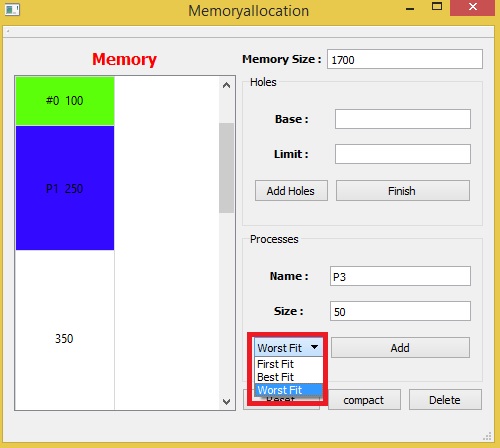
**Best Fit Process**

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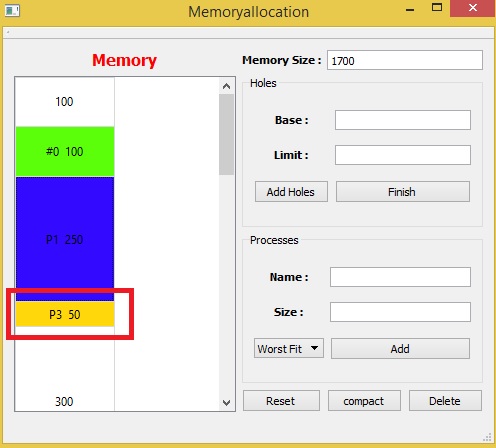
**Will Fit in Smallest Hole Can fit it**

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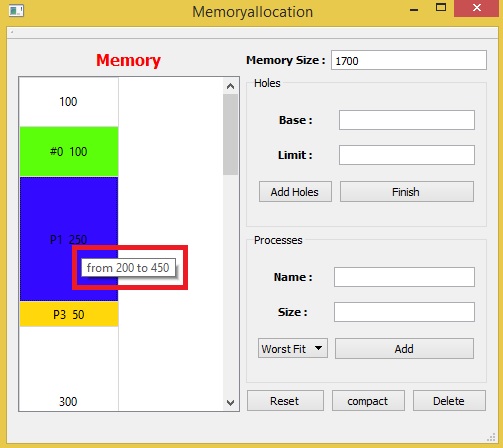
**Worst Fit Process**

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**Will Fit in Largest Hole Can fit it**

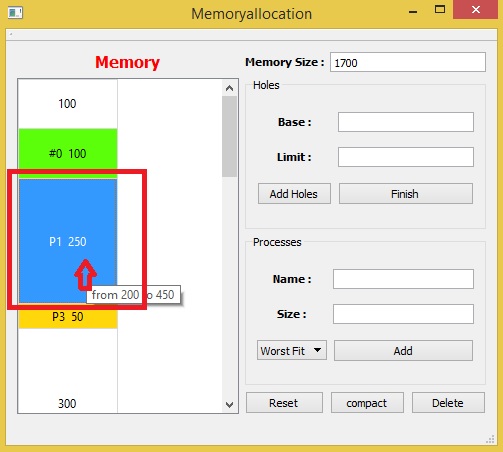
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**Mouse Over Any Process or Hole To see Its Start & End**

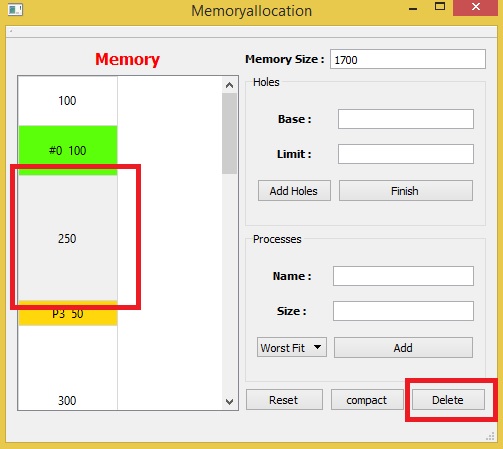
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**Delete Process**

**Click on Any Process In Memory Draw Then Click Delete**

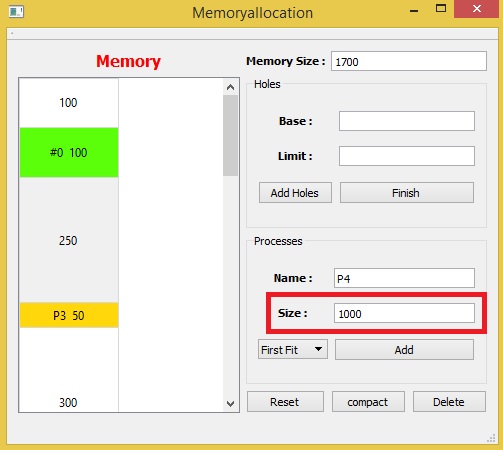
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**After Clicking Delete Its Space Will be Free Hole**

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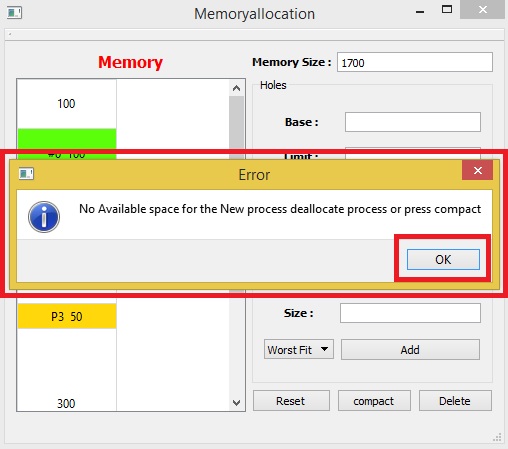
**Adding Large Process**

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

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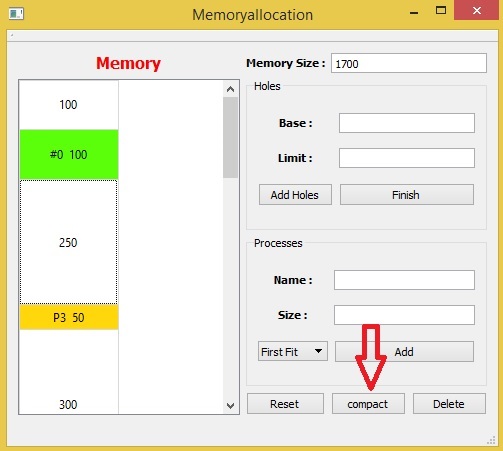
**An Error Message Will Appear Warning You That Process Will not fit**

**and advice you to deallocate a process or Click Compact**

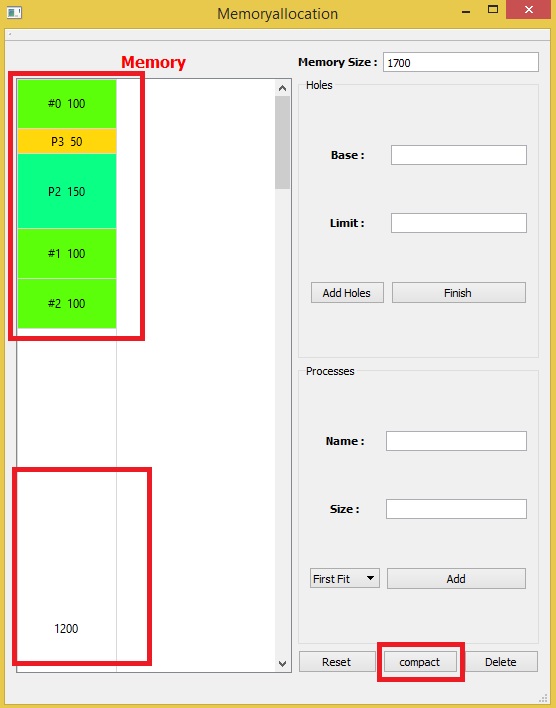
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**Compact**

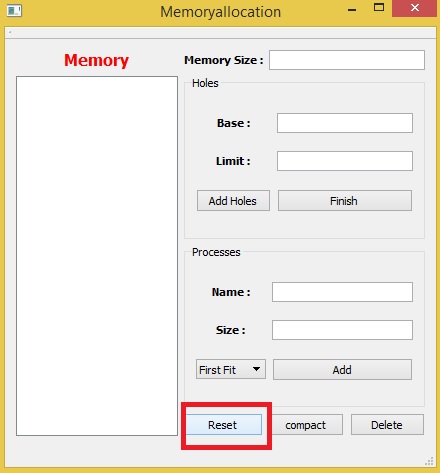
**You can click it any time to compact Memory**

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**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**

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**Reset  
Click reset Any time To Reset Program**

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