HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY

FACULTY OF COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT OF COMPUTER ENGINEERING

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**OPERATING SYSTEM – LAB 04**

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1.

a.

b.

Best-fit seem to be the most efficient method in terms of memory utilization

First-fit seems to be the second advanced one.

However, the result from the above exercise shows the different problem.

Best-fit is theoretically believed to be the best one,

2. How can we increase the size of heap in a running process?

We can use malloc(), calloc(), sbrk() or brk(). Heap is bounded by so-called **break** and using malloc(), calloc(), sbrk() or brk() will expand the **break** boundary.