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Lab 5

I was not able to run my program on my machines because I don't have a c compiler. I couldn't get the files over to the devbox either.

From my experience in the memory assignment, first fit seems to work better than best fit in terms of data allocation. First fit finds the first location that the memory block will fit. Best fit looks through the memory block(s) and finds the best place for the memory block to fit. Best fit is a good algorithm for allocation of memory, but it does have its drawbacks; it tends to leave behind small bits of memory space in the free list that tend to be too small to fill in the future. First fit tends to leave behind reasonable chunks in the block(s) where new blocks can fit in in the future.

First fit, to me, seems easier than best fit because it can just find the first place that the block fits and then allocate the block rather than looking through all the blocks on the freelist and finding the best place for it to go; there is less traversal in first fit. Best fit has more traversal because it goes through the whole freelist to find the best place for the new block to go.

Overall, best fit and first fit have their advantages and disadvantages and depending on what a person values the most they can choose which one they prefer.