

Homework for Week 5
(Due Date: Check Canvas)

1. A colleague suggests a trick to reduce the pressure on the swap device. Instead of swapping out pages that belong to executable code into the swap area, the operating system could just not swap them out and just take away the memory frames. If the code page is needed later, it could be paged back in directly from the file containing the executable. Her argument is that the OS will save time by not storing the code page into the swap device, and will save space on the swap device. The executable code exists on disk anyway, and could be fetched from there. Would you approve of this design? Why or why not?

References

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- [4] L. F. Bic, A. C. Shaw, *Operating Systems Principles*, Prentice Hall 2003.
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