Review Questions – Chapters 1 and 2

Operating Systems Comp Sci 3SH3, Fall 2024
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1   Distinguish between system and application programs.

2   Explain the purpose and significance of an interrupt vector.

3   What is a bootstrap program, and where is it stored?

4   Why are at least two modes (kernel and user mode) necessary in a computer system?

5   What are the advantages and disadvantages of the microkernel approach to structure an Operating System?

6   What are the advantages and disadvantages of the Modular approach to structure an Operating System? Why should every operating system support modules?

7   What are System Calls and what are they used for? Is it true that all system calls are programmed in high level languages? Justify your answer.

8   Why do you need an API to access system calls?

9   What are system daemons? What are the advantages of using system programs? Is it a good idea to include system program code in the kernel? Justify your answer.