



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECR2043-07 OPERATING SYSTEMS

EXERCISE 2

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2.1 What is the purpose of system calls?

The purpose of system calls is that it allows user-level processes to request services of the operating system.

2.11 How could a system be designed to allow a choice of operating systems from which to boot?
What would the bootstrap program need to do?

Operating system is installed in different drives which is also known as boot disks. The bootstrap program needs to search the file system to find the operating system kernel, load it into the memory and start its execution.

2.13 Describe three general methods for passing parameters to the operating system.

- **Pass the parameters in registers.**
- **Store the parameters in a block, or table, in memory and pass the address of block as a parameter in a register.**
- **Push the parameters onto a stack, to be popped off by the operating system.**