

Assignment 1

Q1: Describe what are the three main purposes (goals) of an operating system?

Q2 (1) Draw a computer system structure with hierarchical way (using 4 components: Hardware, Operating system, application programs, users) and (2) explain the relationship among the 4 components.

Q3: (1) Describe the relationship between system calls and APIs and (2) explain the advantage of using APIs rather than system calls for application developers.

Q4: What is the main advantage of the layered approach to system design?