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CIT315 - OPERATING SYSTEM SUCCESS BOOK

Q. An operating system serves as a liaison between the computer's user and the computer's hardware. Define the term ‘’Operating System’’ and explain ‘’OS’’ briefly stating its objective.

Definition of Operating System

An operating system serves as a liaison between the computer's user and the computer's hardware. An operating system is a software program that handles the hardware of a computer. Additionally, it serves as a foundation for application programs and serves as a liaison between the computer user and the computer hardware.

Explanation on ‘’OS’’ and its Objective

An operating system is a software program that handles the hardware of a computer. The objective of an operating system is to offer a comfortable and efficient environment in which a user may run applications. An operating system controls the hardware on a computer. The hardware must have adequate measures to guarantee the computer system's proper operation and to prevent user applications from interfering with the system's proper functioning.

Internally, operating systems vary significantly in their composition, since they are arranged in a variety of ways. The creation of a new operating system is a significant undertaking. Prior to beginning the design process, it is critical to have a firm grasp of the system's objectives. These objectives serve as the foundation for selecting amongst different algorithms and tactics.

Due to the size and complexity of an operating system, it must be constructed piecemeal. Each of these components should be a distinct part of the system with well-defined inputs, outputs, and functions. Additionally, it serves as a foundation for application programs and serves as a liaison between the computer user and the computer hardware. A remarkable feature of operating systems is their diversity in doing these functions.

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