Muhammad Baihaqi Aulia Asy'ari

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Intro to Operating System

- **Definition**

  A program that acts as an intermediary between the user and the computer hardware

- **Computer System Structure**
  - Computer system can be divided into four components:
    - Hardware
    - Operating System (OS)
    - Application Programs
    - Users

- **What Does Operating System Do**
  - Depend on the point of view:
    - User
    - Software Programmer
    - OS Designer

- **OS Structure**
  - **Multiprogramming System**
    - Several jobs ready for execution are gathered in a pool
    - Several ready jobs will be collected in the main memory and then prioritized
    - If the job being executed is waiting for several tasks
    - The Operating System's task is to handle the process transition
  - **Time Sharing System**
    - Also known as multitasking allows multiple user to use a computer simultaneously by dividing CPU processing time into smaller parts
  - **Multiprocessing System**
    - The system has more than one processor to run one or more program using buses , clocks and memory

Summary

The Operating System subject, intro to the concept of Operating System, seek to define and give further explanation about Operating System as a concept of its operation. The Operating system acts as intermediary to a hardware system. The Operating System it self is a component to a computer system structure. Depends on its user, the use of an Operating System may vary. Operating System have several structure with its own advantage and/or disadvantage.