



# Computer Awareness

Part 7

- Funsta Team

Lets Start





# Computer Awareness



- Part 1 Intro/Generation/ Classification of Computers
- Part 2 Computer Architecture & Memory
- Part 3 Computer Hardware
- Part 4 Computer Software and System Utilities
- Part 5 Number System
- Part 6 Computer Codes & Logic Gates

Lets move on to  
Next Part





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# Operating System



An Operating System (OS) is a system software which serves as an interface between a user and a computer.



This controls input, output and other peripheral devices such as disk drives, printers and electronic gadgets.



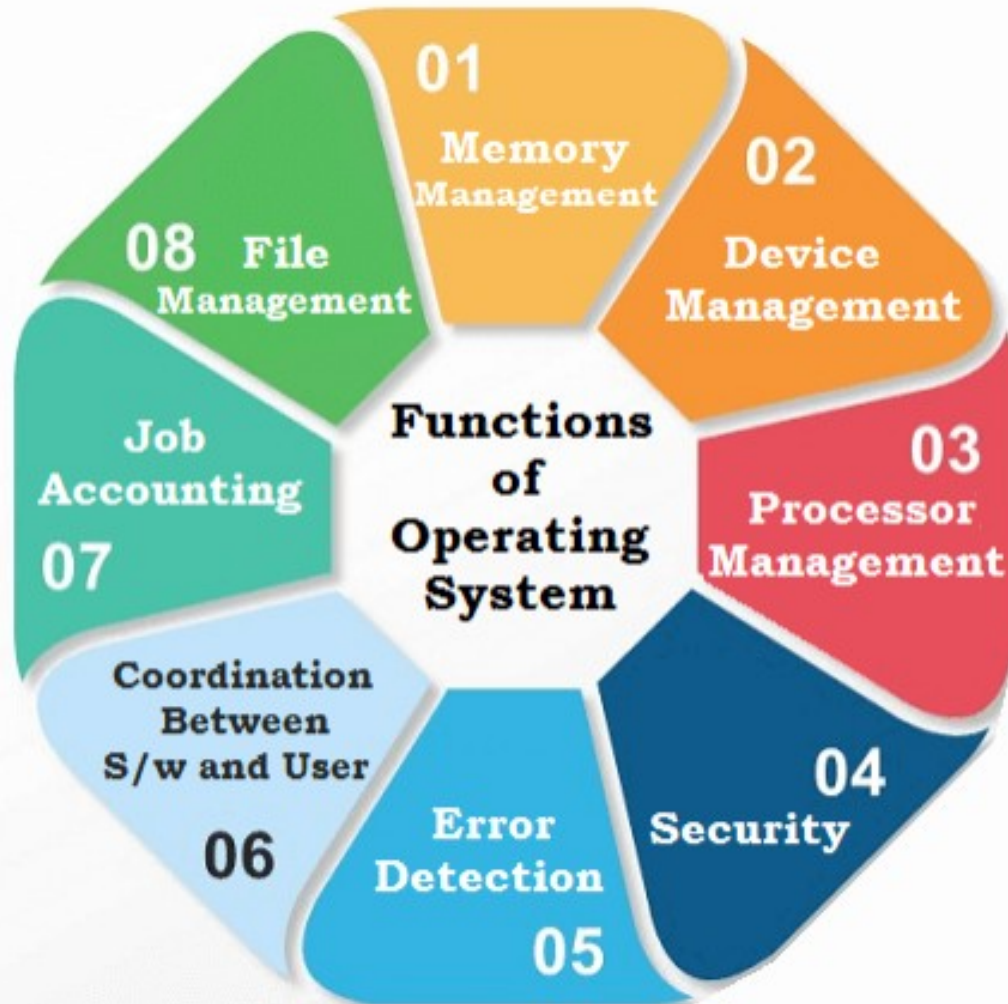
Some of the popular Operating Systems used in personal computers and laptops are **Windows**, **UNIX** and **Linux**

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# Functions of Operating Systems



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## Process Management



The basic unit of execution in the operating system is called as “Process”.



It is function that includes creating and deleting processes and providing mechanisms for processes to communicate and synchronize with each other.



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## Memory Management



It is the process of controlling and coordinating computer's main memory and assigning memory block to various running programs to optimize overall computer performance.



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## File management



It refers the process of manipulating **files** in computer **system**, it **management** includes the process of creating, modifying and deleting the **files**



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# Device Management



It is the process of Managing the implementation, operation and maintenance of a physical and/or Virtual devices



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## Security



It refers to specified steps or measures used to protect the OS from threats, viruses, worms, malware or remote hacker intrusions.



The Operating System provides three levels of securities to the user.



They are



File access level



System level



Network level

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# Error Detection



Operating system needs to be constantly aware of possible errors



It may occur in CPU and memory hardware, in I/O devices, in User program



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## Coordination Between other Software and User



It is **Coordination** and assignment of compilers, interpreters, assemblers, and other software to the various **users of** the computer **systems**.



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# Job Accounting



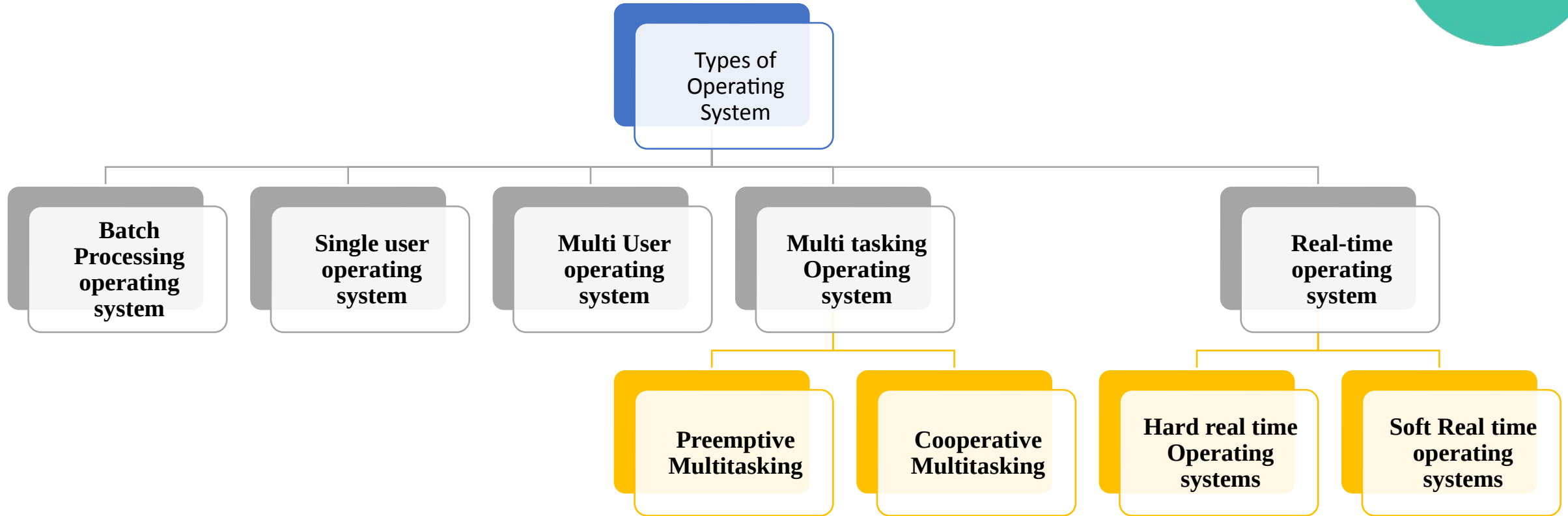
It is keeping track of time and resources used by various jobs and users



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# Types of Operating system



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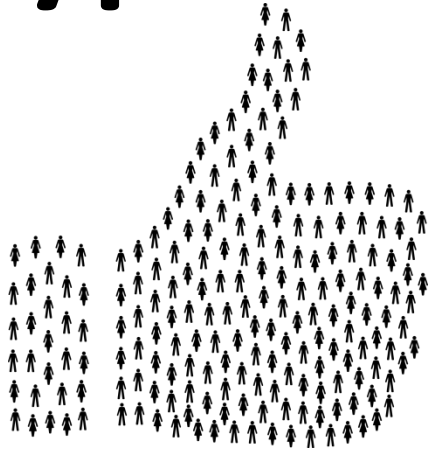




# 'Hurrah!'

## Next session is

# Types of Operating System



Coming  
Soon...

