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# INTRODUCTION TO COMPUTERS SOFTWARE



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# SOFTWARE

- System Software
- Compilers Utility Software
- Operating Systems
- Application Software
- Assemblers Interpreters
- Language Translator



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# APPLICATION SOFTWARE

- Application software is a type of computer program that performs a specific personal, educational, and business function. Each program is designed to assist the user with a particular process, which may be related to productivity, creativity, and/or communication.



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# LANGUAGE TRANSLATORS

- It translates high-level language program into a machine language program that the central processing unit (CPU) can understand. It also detects errors in the program



# COMPILER

- In computing, a compiler is a computer program that translates computer code written in one programming language into another language. The name "compiler" is primarily used for programs that translate source code from a high-level programming language to a lower-level language to create an executable program.

# INTERPRETER

- Another way to get code to run on your processor is to use an interpreter, which is not the same as a compiler. An interpreter translates code like a compiler but reads the code and immediately executes on that code, and therefore is initially faster than a compiler.

# ASSEMBLERS

- An assembler translates a program written in assembly language into machine language and is effectively a compiler for the assembly language, but can also be used interactively like an interpreter. Assembly language is a low-level programming language. Low-level programming languages are less like human language in that they are more difficult to understand at a glance

# SOFTWARE

- System software provides a platform for other software and includes the programs managing the computer itself, such as the computer's operating system, file management utilities and disk operating system (or DOS). The system's files consist of libraries of functions, system services, drivers for printers and other hardware, system preferences and other configuration files. The programs in system software encompass assemblers, compilers, file management tools, system utilities and debuggers