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ABPSY181

**FLOWCHART**

A flowchart is the graphical or pictorial representation of an algorithm with the help of different symbols, shapes and arrows in order to demonstrate a process or a program. With algorithms, a program can be easy to understand. The main purpose of a flowchart is to analyze various processes. These are some standard graphics applied in a flowchart:

Terminal Box - Start / End

Terminal Box Figure

Input / Output

Input / Output Figure

Process / Instruction

Process Figure

Decision

Decision Figure

Connector / Arrow



The graphics above represent different part of a flowchart. The process in a flowchart can be expressed through boxes and arrows with different sizes and colors. In a flowchart, we can easily highlight a certain element and the relationships between each part.

**PSEUDOCODES**

Pseudocode is a detailed yet readable description of what a computer program or algorithm must do, expressed in a formally-styled natural language rather than in a programming language. Pseudocode is sometimes used as a detailed step in the process of developing a program. It allows designers or lead programmers to express the design in great detail and provides programmers a detailed [template](https://whatis.techtarget.com/definition/template) for the next step of writing code in a specific programming language.

Because pseudocode is detailed yet readable, it can be inspected by the team of designers and programmers as a way to ensure that actual programming is likely to match design specifications. Catching errors at the pseudocode stage is less costly than catching them later in the development process. Once the pseudocode is accepted, it is rewritten using the vocabulary and [syntax](https://whatis.techtarget.com/definition/syntax) of a programming language. Pseudocode is sometimes used in conjunction with computer-aided software engineering-based methodologies.

It is possible to write programs that will convert a given pseudocode language into a given programming language.

Source(s):

N.A. N.D. *Explain Algorithm and Flowchart with Examples.* Retrieved from <https://www.edrawsoft.com/en/explain-algorithm-flowchart.html>.

Rouse, M. N.D. *Pseudocode.* Retrieved from <https://whatis.techtarget.com/definition/pseudocode>.