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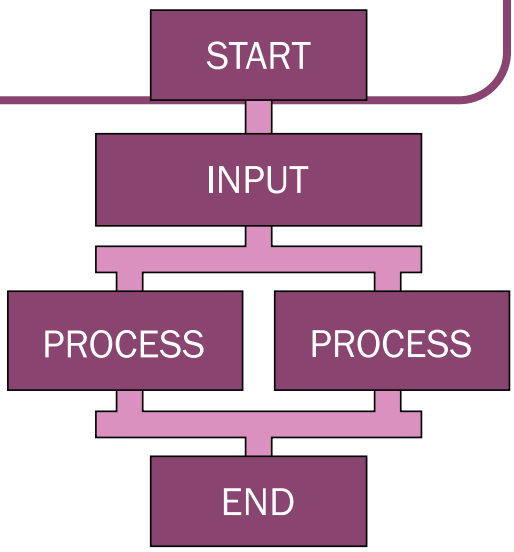
LOGIC AND ALGORITHM

FLOWCHART DIAGRAMMING

CONCEPT A flowchart is a visual representation of a step-by-step problem-solving schema. The flowchart consists of different geometric shapes known as symbols and these symbols represent a single step in a process.



BACKGROUND

In 1921, two industrial engineers (better known as Frank and Lillian Gilbreth) invented what is today referred to as a flowchart. They called it “The Flow Process Chart” and it was introduced to American Society of Mechanical Engineering (ASME) with a single purpose in mind: to educate individuals on how to visually document a business process.

In the 1940’s, two mathematicians, Herman Goldstine and John von Neumann, introduced the world to a flowchart used for computer programming.

Today, flowchart diagramming is a very important part of software development and database engineering. There are online software products such as Alteryx, that takes flowcharts to another level: users are now able to make changes to their software by a simple execution of a flowchart. Different softwares offer fully functional flowcharts, so that they are not only used for conveying a visual message about a process or two, but they also have the capability to create, alter, update, delete, blend, mine, cleanse, even output reports about data.

REAL WORLD CONNECTIONS

In the Computer Science field, flowchart diagrams are often used for visualizing algorithmic solutions. In manufacturing operations, flowcharts are used for depicting how a product moves along the production line. A giant corporation such as Amazon displays an order tracking flowchart after each order is placed, enabling customers to visually track their orders.

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