Difference Between Algorithm and Flowchart

An algorithm is a limited set of well-defined procedures for systematically addressing a problem. A flowchart, on the other hand, is a visual or graphical depiction of a process. Each process step is represented by a separate symbol and includes a brief explanation of the stage. Let's take a closer look at the key differences between the algorithm and flowchart in the table below.

Algorithm	Flowchart
An algorithm is a step-by-step process for resolving a problem.	A flowchart is a graphic with several shapes depicting data flow.
An algorithm is complex to understand.	Flowcharts are easily understandable.
Branching and looping are represented in a complex way.	Branching and looping are easily represented.
Algorithms are tough to create.	It's easy to make a flowchart.
Algorithms do not adhere to any set of rules.	The construction of a flowchart follows a set of guidelines.
The program's pseudocode is called an algorithm.	A flowchart is nothing more than a graphical representation of that logic.

What is an Algorithm?

"A method or set of rules to be followed in computations or other problem-solving activities" is an algorithm. Consequently, an algorithm is a set of rules/instructions that govern how a work is to be conducted step-by-step to achieve the desired results. It is represented as follows.

Input --> follow instructions --> output

An algorithm is a problem-solving and logical, step-by-step approach. Once you've decided to fix an issue, you'll need to know what to do, how to accomplish it, and what actions you'll need to take to get there. An algorithm is a set of instructions that must be

followed to solve a problem. It's the initial step in figuring out how to solve a mathematical or computer problem. It consists of reasoning, computations, and data processing, and it may be expressed in various ways, including natural language, pseudocode, and flowcharts.

What is a Flowchart?

A flowchart is a diagram that depicts an algorithm. Programmers frequently use it as a problem-solving technique. It employs linked symbols to represent the flow of information and processing. Flowcharting is the process of creating a flowchart for an algorithm.

A flowchart is only a visual representation of an algorithm. It is also known as a flow diagram, which depicts a precise set of procedures that must be followed to achieve a given result. It visually illustrates a process or a program using various symbols, shapes, and arrows. Every sign, shape, or arrow denotes a certain function. The main goal of a flowchart is to visually assess several techniques for addressing a problem. It is extremely useful in programming since it simplifies the algorithm and translates it into a visual that is easy to grasp. Using a flowchart, the programmer may simply break down and evaluate the various parts of the process.