

What is algorithm?

An **algorithm** is a step-by-step procedure or a set of rules designed to solve a problem or perform a task. It provides a clear sequence of actions to follow to achieve a specific outcome. In computer science, algorithms are used to process data, perform calculations, automate reasoning, and solve problems efficiently.

a simple algorithm for adding two numbers could be:

Step 1: Start.

Step 2: Take two numbers as input.

Step 3: Add the numbers.

Step 4: Display the result.

Step 5: End.

What is flowchart?

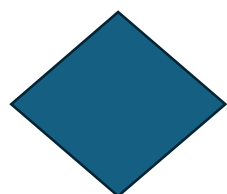
A **flowchart** is a diagrammatic representation of a process or an algorithm. It uses different shapes and symbols to represent the steps involved in solving a problem, allowing for a clear, visual understanding of the flow of control in a process.



Oval: Represents the start or end of a process.



Rectangle: Indicates a process or action step.



Diamond: Represents a decision point, where a yes/no question is asked, leading to different branches based on the answer.



Arrows: Show the direction or flow from one step to another.



Parallelogram: Used to represent input/output operations.