



# Algorithm

Basic Algorithm

# What is Algorithm?



Algorithm is a well defined **computational procedure** which takes some values as **input** and produces some values as **output**.

# Example Implementation



Check Prime  
Number



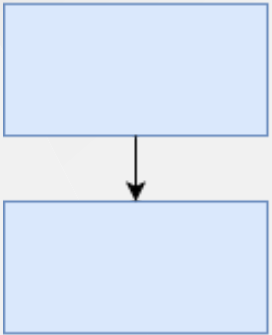
Sorting



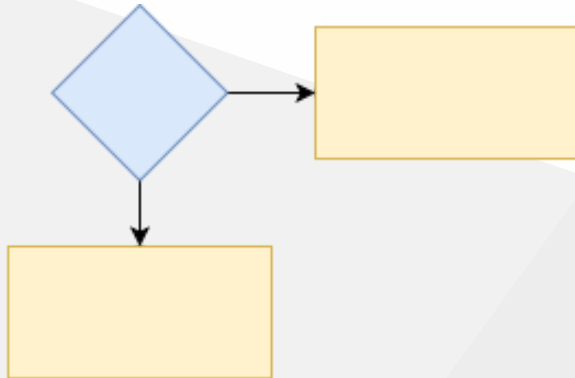
Searching

# Characteristic

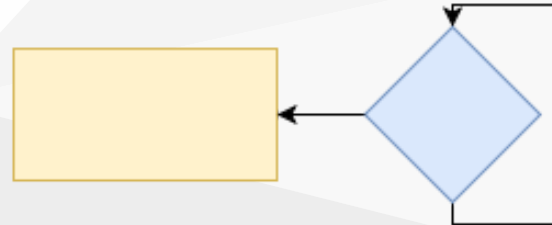
- Have **start** and **end**
- Well defined instructions
- Effective and efficient



Sequential



Branching



Looping

# Flowchart

Flowchart is a chart with certain symbols that describe the **order** and **relationship** between processes in detail.

## Flowchart Symbol



Start / End



Process



Input / Output



Branching



Looping

# Study Case

Determine odd or even number



# Study Case

Prints factor numbers



# Task

A prime number is a natural number that is greater than 1, whose divisors are **1** and the **number itself**. The numbers **2** and **3** are **prime numbers**. The number 4 is not a prime number because it can be divided by 2. *Create a function to determine whether the inputted number is a prime number or not using [Whimsical](#).* Example :

- Input: 3, Output: Prime Number
- Input: 7, Output: Prime Number
- Input: 10, Output: Not Prime Number