



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



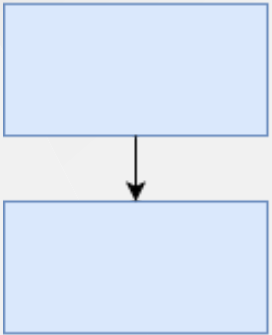
Sorting



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



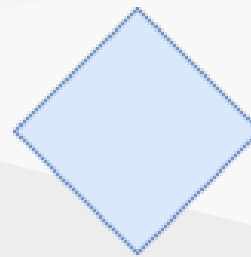
Start / End



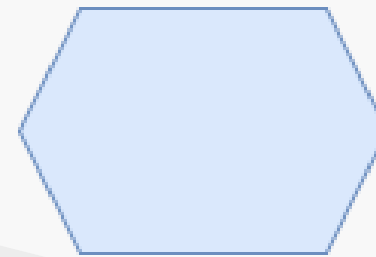
Process



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