What is algorithm?

Algorithm is set of instructions to solve a particular problem.

▶ Ingredients

1) Tea

2) Milk

3) Sugar

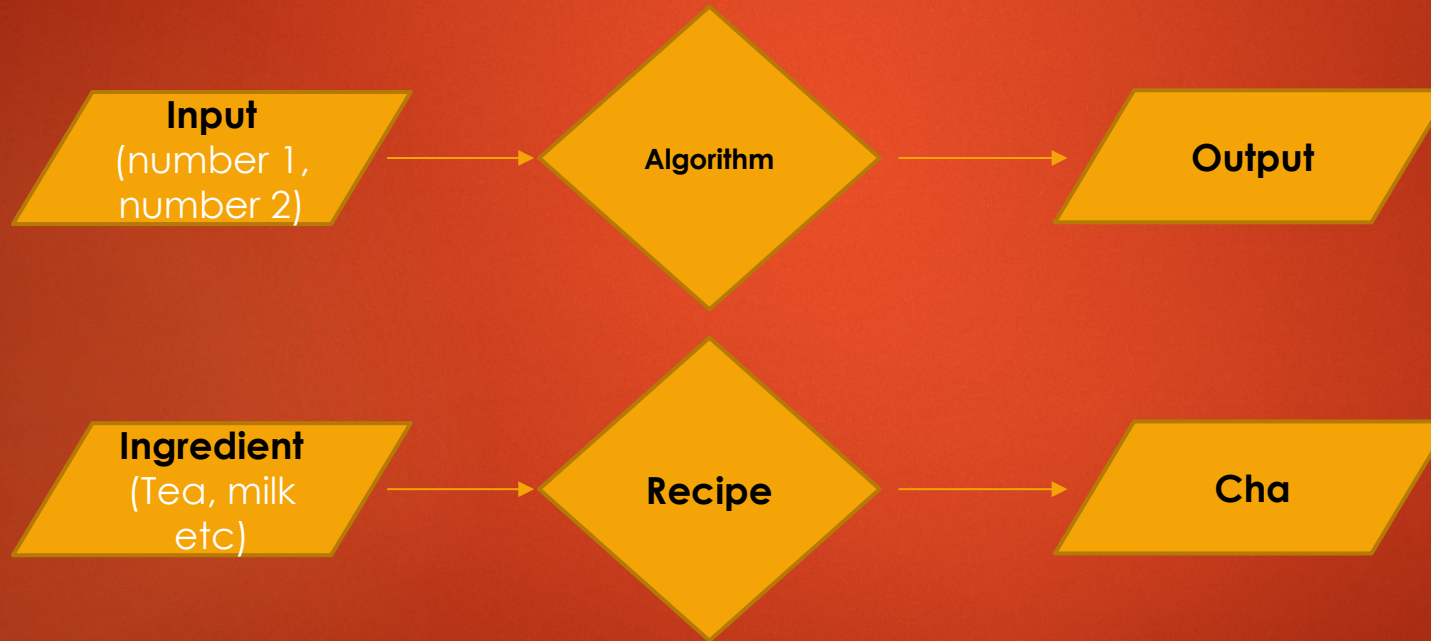▶ Recipe

1) Pour milk in container.

2) Start the gas.

3) Pour sugar and tea.

4) Wait until tea is ready to serve.

Ingredients → Recipe → Tea

▶ Write an algorithm to add two numbers.

Algorithm:

1) Add two numbers with a plus sign.

2) Return the added number.

Input
(number 1,
number 2) → Algorithm → Output

Ingredient
(Tea, milk
etc) → Recipe → Cha

- **Characteristics of algorithm**
- It should be executable in all languages.
- It's input and output should be known in first hand.
- Each step in algorithm should be specific, not ambiguous.

- **Why learn Algorithm?**
- Because learning algorithm will teach you ways to solve a problem, which will help you in your job.
- But when you have many solutions, you have to decide the algorithm based on performance.

Thank you!