### **Declarative vs. Imperative programing**

Declarative and imperative programming are different programming paradigms that can help you to achieve different results.

Declarative programming is a programming paradigm where we specify the program logic without describing the flow control. Declarative programming is all about **what** to do to achieve a certain result.

const numbers = [1, 2, 3, 4, 5];

const sumNumbers = (n) => n.reduce((acc, current) => acc + current);

JavaScript

Imperative programming is a programming paradigm where we specify the program logic describing the flow control. Imperative programming is all about **how** to achieve a certain result.

const numbers = [1, 2, 3, 4, 5];

const sumNumbers = (n) => {

let finalResult = 0;

for (let i = 0; i < n.length; i++) {

finalResult += n[i];

}

return finalResult;

}

JavaScript

Functional programming favors declarative programming over imperative programming—rather than thinking about **how** to do it, it relies on **what** to do.