



Javascript Basics



What is a Programming Language ?

A **programming language** is a formal **language** comprising a set of instructions that produce various kinds of output. **Programming languages** are used in **computer programming** to implement algorithms.

Why are HTML and CSS not considered as programming languages ?

- HTML and CSS don't compile anything.
- HTML and CSS describe presentation, whereas programming languages describe function
- There are no if-then statements inside HTML
- HTML and CSS are rules and describe rules for styling and structuring content
- HTML is a markup language (as its name suggests ;))

JS Basics

- Console
- Variables – containers for data
- Operators – arithmetic and logical
- If else statements

Loops

- For
- While
- Do ... while

Prime Number Check

- Counting factors
- Flag variable (break statement)



Functions

- Function definition
- Function declaration
- Return type functions



Functions Scopes and Block Scopes

- Difference between var, let and const

Bonus Content – How to install node ?

1. Go to <https://nodejs.org/en/>
2. Download the latest version according to your OS.
3. Install it.
4. Install [Code Runner extension](#) for VS Code
5. Restart VS Code
6. Enjoy running JS code without the browser.