**Typescript**

* Alternative to JavaScript (superset)
* Allowed us to use strict types
* Support modern features (arrow functions, let, const)
* Extra features (tuples, interfaces, generics etc.)

To understand typescript, one has to know following things

1. JavaScript
2. Arrow Functions
3. DOM
4. Classes

To run typescript programs, we need to install Node.js and Visual Studio Code.

The command to create type script project

npm create vite@latest my-app -- --template react-ts

cd my-app

npm install

npm run dev

<http://localhost:5173/>

Types of Props

1. String of Literals
2. Children
3. Optional Props

The react **intrinsicAttributes** play a vital role in type checking by ensuring that the built-in attributes of JSX elements are correctly typed. This helps in preventing errors and ensuring that components behave as expected.