# TypeScript support

TypeScript is a first class language in Deno, just like JavaScript or WebAssembly. You can run or import TypeScript without installing anything more than the Deno CLI. With its built-in TypeScript compiler, Deno will compile your TypeScript code to JavaScript with no extra config needed. Deno can also type check your TypeScript code, without requiring a separate type checking tool like `tsc`.

## Type Checking

One of the main advantages of TypeScript is that it can make your code type safe, catching errors during development rather than runtime. TypeScript is a superset of JavaScript meaning that syntactically valid JavaScript becomes TypeScript with warnings about being "unsafe".

> **NOTE**
>
> **Deno type checks TypeScript in `strict mode` by default**, the TypeScript core team recommends strict mode as a sensible default.

Deno allows you to type-check your code (without executing it) with the `deno check` subcommand: