

TYPESCRIPT ASSIGNMENT – 2

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1. When should we return a function?

- In TypeScript, the return statement is used in functions to specify the value that the function should produce as its result. It determines the output or outcome of the function's execution.
- Early Function Termination: Sometimes, a function needs to terminate early or exit before reaching the end of its block of code. This can be done using a return statement.
- The return statement allows functions to provide output or results, terminate early, and control the flow of execution. It's important to note that when a return statement is encountered in a function, the function immediately stops executing and returns the specified value.

2. Find Online convertors from JS to TS.

- **TypeScript Playground:** The official TypeScript Playground provided by the TypeScript team allows you to enter JavaScript code and see the corresponding TypeScript code. It also provides instant feedback and compilation results. You can access it at <https://www.typescriptlang.org/play>.
- **JS to TS Converter:** This online converter allows you to paste your JavaScript code and converts it to TypeScript code. It supports basic conversions such as adding type annotations and generating interface declarations. You can find it at <https://www.js2ts.com>.

3. Two examples of Duck Typing.

View [code](#).

4. Two examples of Namespace.

View [code](#).