

Generics in TypeScript

This is a standard function

parameter but the object's

called docone and make it equal

"type" and specify the

to the return value of the

addUID() function that is

passed in the object

ctands (name: atting) > (obj: 7) -> (we solve this by

proiperties don't matter

or is used to add the uid variable to the end of

Generics in TypeScript allow us to create reusable blocks of code

··this will not work and will produce an error because when we pass in an object into the addUID() function, we're not specifying what exactly this object should be, and when the addUID()

returns the new object, what properties were on the original

generics with interfaces

Sometimes we want to use an interface with some flexibility; here, the Resource interface accepts a generic (<T>) as a parameter so

that when a variable is declared and told to comply with the interface, that variable can specify what data type it want to pass

object; those need to be captured with a generic

This {name: string } is optional and

only extend the object if it happens to

have a key called name with a value set to the data type of string

This variable passes in an object for

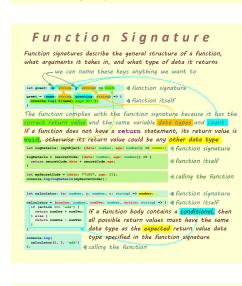
strings for the interface data value

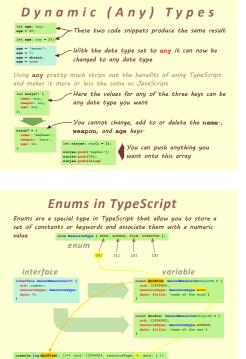
in for the generic interface

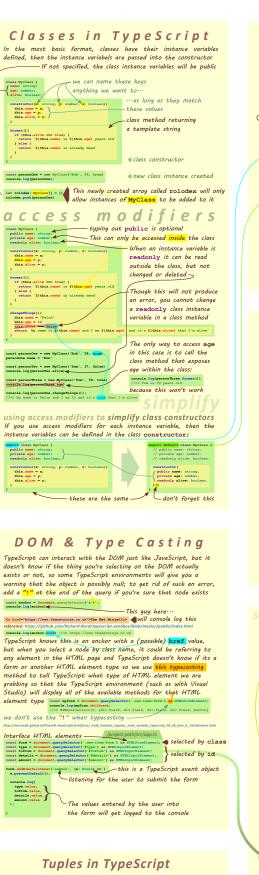
which can be used with different types

the object like so -

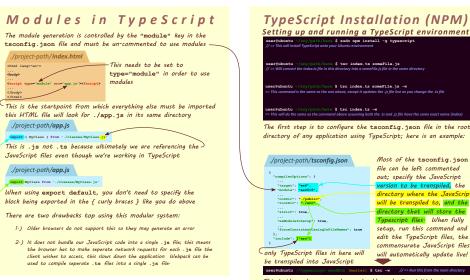
This works just fine but.







Touples are like arrays but differ in that once the data types in the tuple have been declared in the initialization, those data types cannot change; you cannot add or delete elements in a touple either ring"]; ng or any other data type"; - Arrays are defined with "=" —Touples are defined with ":" ♠ not allowed



object

This is unnecessary -

of the functions are

implied but this is

because the return values

The inclusion of

this format()
class method

implements the

Interfaces with Objects

specified in the interface, the class object cannot be missing

(not found in the interface)

An object using this

the following

characteristic.

spend() functionsakes in a number

a **speak()** function that takes in a strina and returns a void value

an age property set to a numb

a name property set to a stri

This interface must

only and no actual value -

return a string -

this interface is set to an object interface

properties (not found in the interface) or have additional ones

Interfaces allow you to enforce a certain structure on a class or an object in TypeScript, this functionality isn't available in JavaScript-In oder to comply, a class or object must have all of the properties

Interfaces with Classes

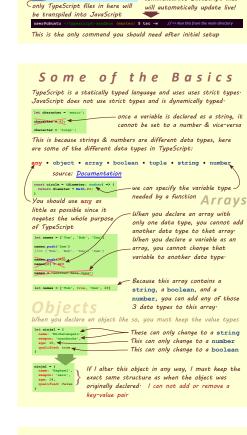
because the class constructor itself is a sort of interface for the class instances

When a class object uses an interface, we say it imple

whereas when a non-class object uses an interface, we use :

This will create a new array that will only accept objects as elements that implement the HasFormatter interface

When a variable is declared initially, it can be given an in



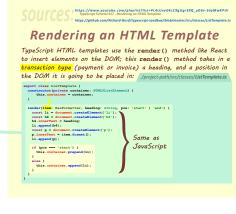
Most of the tsconfig. json

file can be left commented out; specify the JavaScript

Typescript files: When fully

setup, run this command and edit the TypeScript files, the

commensurate JavaScript files





Based on the TypeScript Tutorial by NetNinja

This is a TypeScript keyword

this changes s-thing like "2" to a 2

this keyword arabs the user



TypeScript Illustrated last updated @ 11:25am on 9/AUG/2021 by Richard Burd