

Typescript Constructor Shorthand

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Here is a thing, in Typescript there is a shorthand to create and assign class properties from constructor params.

Imagine you have following code, let's say you have class `User`:

```
class User {  
  private name: string;  
  private surname: string;  
  private age: number;  
  
  constructor(name: string, surname: string, age: number) {  
    this.name = name;  
    this.surname = surname;  
    this.age = age;  
  }  
}
```

You can write same class using shorter syntax:

```
class User {  
  constructor(  
    private name: string,  
    private surname: string,  
    private age: number  
  ) {}  
}
```

In this case `Typescript` will automatically generate those properties. And yes both definitions will produce same Javascript code:

```
var User = /** @class */ (function() {
```

```
function User(name, surname, age) {  
  this.name = name;  
  this.surname = surname;  
  this.age = age;  
}  
return User;  
})();
```

And it works not only for `private` access level modifier, you can use `public` or `protected` as well.

So you can use this constructor assignment technique to save some lines of code.