## Overloading von Funktionssignaturen

```
export class Test{

        public add( a: Number, b:Numb er) :void;
        public add( a: String, b:Stri ng) :void;
        public add( a: boolean, b:bool -
ean ):void;
        public add( a, b):void{
                con sol e.l og( a+b);
       }
        public static run():any{
               let t:Test = new Test();
                t.a dd( 'a' ,'b');
                t.a dd( 3,5);
                t.a dd( tru e,t rue);
       }
}
Test.r un();
Erzeugt die Ausgaben:
ab
8
2
```

https://www.bennadel.com/blog/3339-using-method-and-function-overloading-in-typescript.htm

## Typescript Bindungsarten

| | | |
|---|---|---|
| [xxx] | @Input | Input Parameter |
| (xxx) | @Output | Callback Parameter |

## Conditional Types

```
declare type StringOrNull<T> = T extends string
   ? string
   : T extends null
   ? null
   : never;
export function upperC ase <T extends string |
null>( text: T): String OrN ull <T>;
export function upperC ase (text: string | null):
string | null {
   if (typeof text === 'string') {
        return text.t oUp per Case();
   }
    return null;
}
// String
upperC ase ('' ).t oLo cal eLo wer Case();
// Null
upperC ase (null);
// Union
let maybe: string | null = null as any;
upperC ase (ma ybe);
```

https://speakerdeck.com/gregonnet/conditional-types



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