



this.talk satisfies
never


Co všechno TypeScript umí?

Plán na dnešek

- TypeScript v Ataccamě
- Literal types
- Template literal types
- Mapped types
- Union types
- Generic types
- Bonus: Satisfies

What the type?

TypeScript v Ataccamě



```
type BusinessTerm = {  
  name: string  
  abbreviation: string  
  createdAt: Date  
  owner: {  
    isAdmin: boolean  
    username: string  
  }  
}
```


Literal types



```
let s: string  
let n: number  
let b: boolean
```

```
let s: 'ahoj'  
let n: 42  
let b: true
```

Template literal types



```
const setMargin = (value: CssValue) => {  
  // do stuff  
}  
setMargin('8px')  
setMargin('16px')  
setMargin('16qx')
```

Union types



```
type StringOrNumber = string | number
type DiceRoll = 1 | 2 | 3 | 4 | 5 | 6
type Direction = 'top' | 'right' | 'bottom' | 'left'

type FetchHook =
  { isLoading: true, data: undefined }
  | { isLoading: false, data: Data }
```

Union types

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```
const setOffset = (property: DirectedOffset, value: Value) => {  
  // do stuff  
}  
setOffset('margin-left', '10px')
```


Union types



```
const routes = {  
  '/': RootComponent,  
  '/about': AboutComponent,  
  '/eshop': EshopComponent,  
}  
const router = createRouter(routes)  
router.goTo( '/eshop' )
```

Generic types



```
const router = createRouter({  
  '/': RootComponent,  
  '/about': AboutComponent,  
  '/eshop': EshopComponent,  
})  
router.goTo( '/eshop' )
```

Mapped types

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```
const fetch = (query: BusinessTermQuery) => {  
  // fetch stuff...  
}  
fetch({ name: true, createdAt: true })
```

Satisfies



```
const query = {  
  name: true,  
  createdAt: true,  
} satisfies Query<BusinessTerm>
```

Satisfies



```
this.talk satisfies never
```

Díky za pozornost

