

03 - type basics


Monday, 1 July, 2024

5:07 AM

📌 Inference

- `let userName = 'John'`

`username = 24`

 **error**: because at the time of declaration we gave value of string.

So, typescript is going to infer that `playerName` holds only strings.

- so if that's the case then

`let userName`

`username = 'Tushar'`

`userName = 24`

[Now it will not throw any sort of error. because TS can not infer what kind of type `userName` is]

📌 function

We don't want TS to auto detect our function arguments do we?

for that:

```
" function(a: number, b: number) {  
    return a * b ?  
}"
```

Array

① let fruits = ["banana", "apple"]

fruits.push("orange") ← Okay

fruits.push(24) ← Error

② let mixed = ["banana", 34, true]

mixed.push("apple") ← okay

mixed.push(10) ← okay

mixed.push(false) ← okay

mixed.push({age: 19}) ← Error

Object

```
let person = {  
  name: 'Tushar',  
  age: 16,  
  is Handsome: true }
```

now,

person.age = 'Sixteen' ← Error

because, age is number

person.new = 'New Value' ← Error

because, new does not exist
inside person.