















































- the type of the variable can be omitted
- the compiler will infer the type automatically
- Kotlin is statically typed: every variable has a type
- the type of the variable is the same type as the type of the expression on the left of the assignment

❗ omit the type only when it is clear from context

**Type Inference**

















































: String







































: Int

~~SECRET~~

*compilation error: Type mismatch:  
inferred type is String but Double was  
expected*


val title = "Type Inference"



var LineNumber = 10

slideNumber == "slide 10"

# Type Inference

`val title = "Type Inference"`  


`var slideNumber = 10`  


`slideNumber = "Slide 10"`

*compilation error: Type mismatch:  
inferred type is String but Double was  
expected*

- the type of the variable can be omitted
  - the compiler will infer the type automatically
  - Kotlin is statically typed: every variable has a type
  - the type of the variable is the same type as the type of the expression on the left of the assignment
- ❗ omit the type only when it is clear from context

# Type Inference

```
val x = null
```