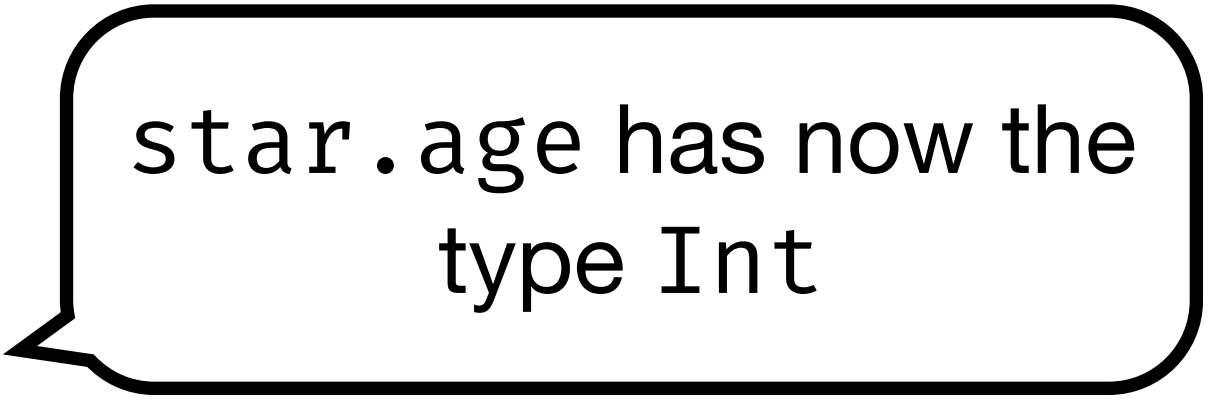
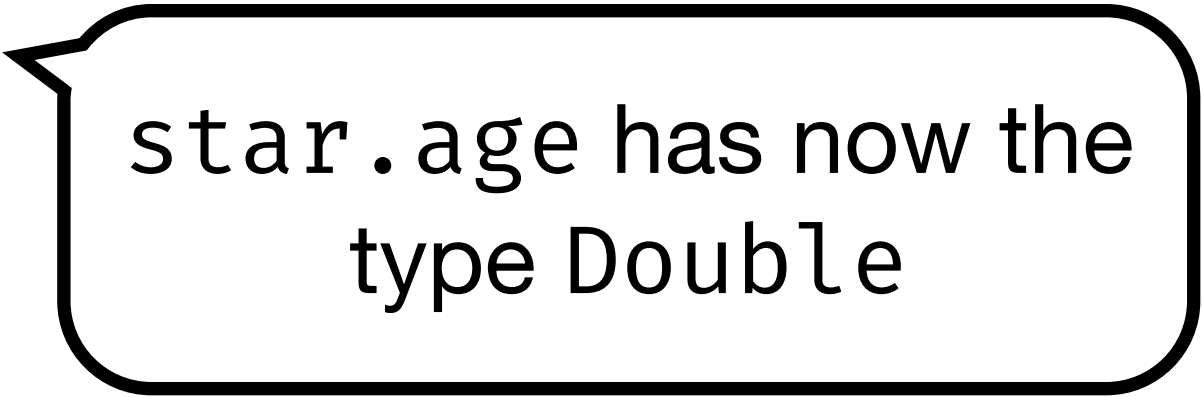
Smart Cast

properties

```
data class Star(val age: Number)


fun smartCast(star: Star) {
    when (star.age) {
        is Int -> println(1..star.age)
        is Double -> print(star.age.isFinite())
    }
}
```


star.age has now the type Int


star.age has now the type Double

Smart Cast

properties

```
data class Star(val age: Number)

fun smartCast(star: Star) {
    when (star.age) {
        is Int -> println(1..star.age)
        is Double -> print(star.age.isFinite())
    }
}
```

star.age has now the type Int

star.age has now the type Double

Smart Cast

- cannot use open properties
- cannot use interface properties
- cannot use properties with custom getters (because the implementation may change the type)
- cannot use mutable properties (because it can be changed in a different thread)
- solution: introduce a local variable