



Safe casts

Type cast: as

= instanceof

not necessary

```
if (any is String) {  
    val s = any as String  
    s.toUpperCase()  
}
```



```
if (any is String) {  
    any.toUpperCase()  
}
```

smart cast

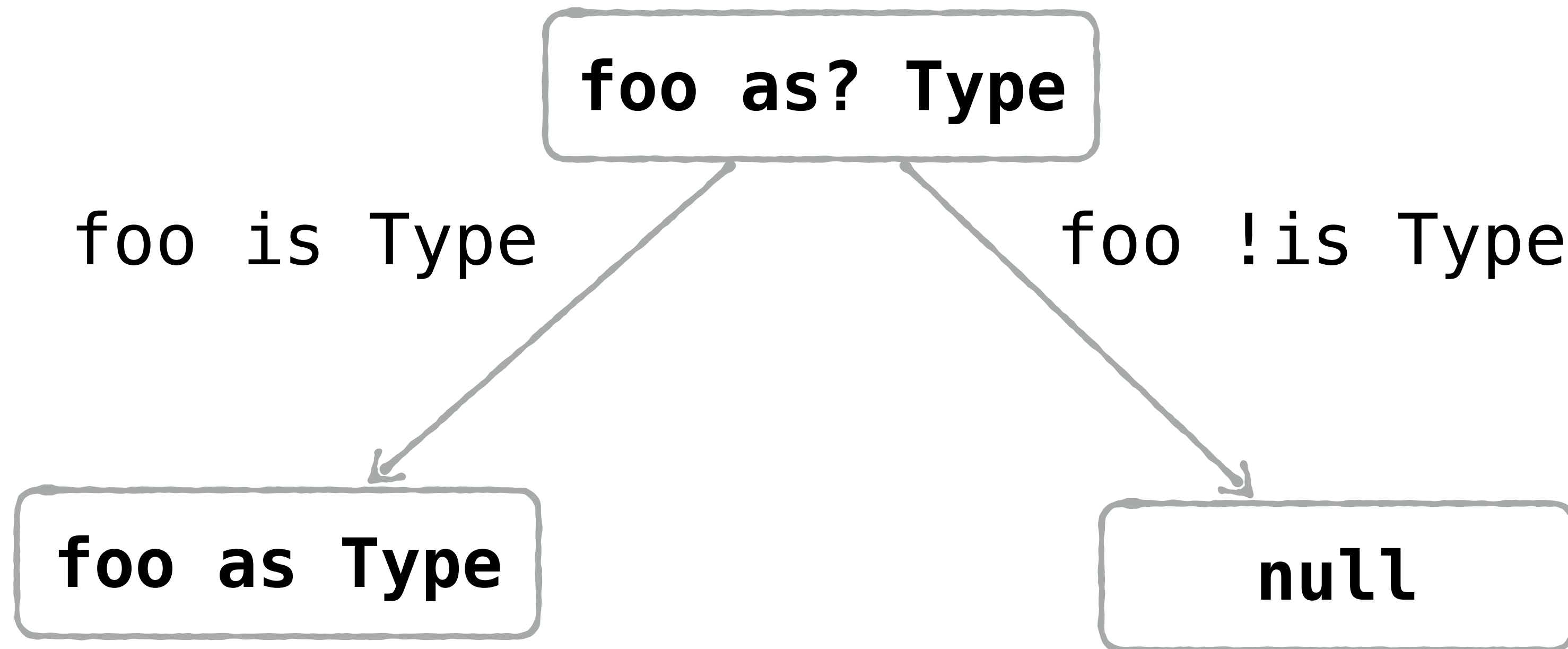
Safe cast: as?

```
if (any is String) {  
    any.toUpperCase()  
}
```



```
(any as? String)?.toUpperCase()
```

Safe cast



Safe cast: as?

returns `null` if expression cannot be cast

```
val s = if (a is String) a else null
```



```
val s: String? = any as? String
```



Declare the `s` variable to make the first line print `null` and the second one throw an exception.

```
println(s as? Int)  
println(s as Int?)
```