

Quiz: Variance

8 minutes, no stress, no embarrassment, no consequences, but **alone and quietly**

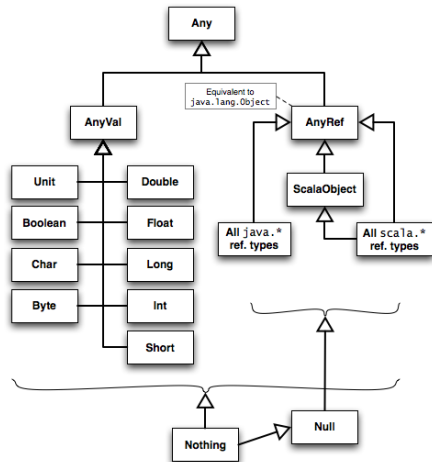
The trait `Function` represents functions returning objects of type `R` and taking arguments of type `T1`:

```
trait Function[-T1,+R] extends AnyRef
```

(anonymous functions are objects of this type).

Which of the following statements are true:

- 1 `Function[Nothing,Any] <: Function[Any,Nothing]`
- 2 `Function[Any,Nothing] <: Function[Nothing,Any]`
- 3 `Function[Any,Any] <: Function[Nothing,Nothing]`
- 4 `Function[Nothing,Nothing] <: Function[Any,Any]`



All the types are in the `scala` package unless otherwise indicated.

Quiz: Variance

8 minutes, no stress, no embarrassment, no consequences, but **alone and quietly**

The trait `Function` represents functions returning objects of type `R` and taking arguments of type `T1`:

```
trait Function[-T1,+R] extends AnyRef
```

(anonymous functions are objects of this type).

Which of the following statements are true:

- 1 `Function[Nothing,Any] <: Function[Any,Nothing]`
- 2 `Function[Any,Nothing] <: Function[Nothing,Any]`
- 3 `Function[Any,Any] <: Function[Nothing,Nothing]`
- 4 `Function[Nothing,Nothing] <: Function[Any,Any]`

The answer key:

- 1 False
- 2 True
- 3 False
- 4 False

1 point for each correct answer, zero points for each incorrect answer.

Total $\in [0; 4]$