What may make a covariant type unsound?

Describe the Liskov Substitution Principle.

Describe a fully persistent data structure.

### Give an example of a good candidate for contravariance.

### Give an example of a good candidate for covariance.

Why are Java arrays covariant?

# Interact with Java covariant arrays using Scala nonvariant Arrays.

Describe variance annotations.

## What are the downsides of Java arrays being covariant?

Modify visibility of primary constructor.

What's a good use of object private fields?

## What does the compiler guarantee regarding variance annotations and usage?

How so?

#### Why doesn't mutable state mesh well with covariance?