**Statically Typed vs Dynamically Typed**

* Scala and Java is [statically typed](https://en.wikipedia.org/wiki/Statically_typed), while both Groovy and Clojure are [dynamically typed](https://en.wikipedia.org/wiki/Dynamically_typed)
* Java supports Dynamic Polymorphism, but still it was strict to sub-types.
* Java generics sub-types and super-types are removed at compile time by type eraser.

// Java, statically typed.

int x = 3;

x = 5; // good

x = "hi"; // compiler error

## Ruby, dynamically typed

x = 3 # ok

x = 5 # ok

x = "hi" # still ok