## Functional programming

Github: <https://github.com/ikane/functional-programming-with-java.git>

A close-up of a list of different types of writing

Description automatically generated with medium confidence

A whiteboard with writing on it

Description automatically generated

**ToIntFunction<R>**

A black and white text

Description automatically generated

**IntFunction<R>**

A black text with a white background

Description automatically generated

## Pure functions

A pure function is **deterministic**: always returns the same output for the same input values, regardless of external factors or the state of the program.

A pure function has **no side effects**: does not directly modify any data outside its scope, such as global variables or the state of other objects.