Idempotent

A function that always return or does what we expected to do. Sounds similar to pure function

Imperative vs Declarative

Imperative code is code that tells machine what to do and how to do it

Declarative code tells it what to do and what should happen

Machine is very imperative, they need step by step instructions

Declarative more like human being, just tell what need to do

Immutability

Means not changing the data, not changing the state

Memoization~Caching

A way to store something which will be used later. Is a way for us to speed up program.

Memoization is a form of caching