OOP & PYTHON CLASS PART 2 LESSON 2



AGENDA



- 01 SOLID Principles in OOP
- 02 Python Class application
- **03** Python class advantages
- 04 Practice



S









When implemented properly it makes your code more extendable, logical and easier to read.



S INGLE RESPONSIBILITY

A class should have only one job and therefore it should have only a single reason to change.



DEFINITION



Software entities(Classes, modules, functions) should be open for extension, <u>not</u> modification.









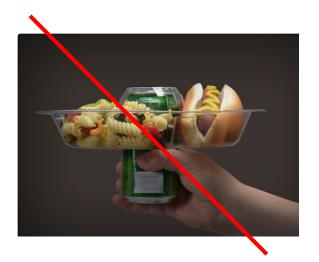
If class A is a subtype of class B, then we should be able to replace B with A without disrupting the behavior of our program.



DEFINITION



Larger interfaces should be split into smaller ones. By doing so, we can ensure that implementing classes only need to be concerned about the methods that are of interest to them



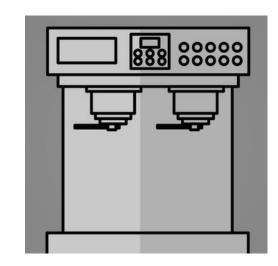








Dependency Inversion (injection) refers to the decoupling of software modules. This way, instead of high-level modules depending on low-level modules, both will depend on abstractions.







Advantages of Using Classes in Python?

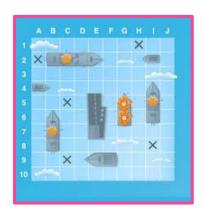
PYTHON CLASS



STATE

Classes can keep a state of an object









THANK YOU!