

Chapter 7 - Property Decorators

Theory:

This chapter covers the topic of Property Decorators.

Code Example:

```
class Employee:
    a = 1 # Class variable
    @classmethod
    def show(cls):
        print(f"The class value of a is {cls.a}")
    @property
    def name(self):
        return f"{self.fname} {self.lname}"
    @name.setter
    def name(self, value):
        self.fname, self.lname = value.split(" ") # ■ No if check
    # -----
    # ■ Using the class now
    # -----
    e = Employee()
    # Instance variable 'a'
    e.a = 45
    print("Instance variable e.a:", e.a) # 45 (object-level)
    # Setting name properly (first + last name)
    e.name = "milan sharma"
    print("Full name using @property:", e.name) # milan khan
    print("First name:", e.fname)
    print("Last name:", e.lname)
    # Class method uses class variable 'a'
    e.show() # Output: The class value of a is 1
```