

## 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
```