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Module 8 – Method Overloading and Overriding

Method Overloading:  
Python does not support it directly but can be achieved using default parameters.  
  
Example:  
 class Demo:  
 def add(self, a=None, b=None, c=None):  
 return (a or 0) + (b or 0) + (c or 0)  
  
 d = Demo()  
 print(d.add(5))  
 print(d.add(5, 10))  
 print(d.add(5, 10, 15))  
  
Method Overriding:  
A child class can redefine a parent class method.  
  
Example:  
 class Parent:  
 def greet(self):  
 print("Hello from Parent")  
 class Child(Parent):  
 def greet(self):  
 print("Hello from Child")  
  
 c = Child()  
 c.greet()