

Signature? Dunder Methods

-- add -- ()
-- sub -- ()

} All are dunder methods

Operator Overloading:

Some Operators: +, -, /, *, etc.

Can be overloaded with Double Underscore Methods.

⇒ Overloading what???

+ → it calls some other definition.

Function Overloading
Method Overloading } Roughly are Same

→ We have two functions with the same name

(i) ✓ function (a, b)

(ii) ✓ function (a, b, c)

>>> function(2, 3)

>>> function(2, 3, 4)

function overloading

class Telematics:

```
def __init__(self):  
    pass
```

```
✓ def Method(self, a, b):  
    print('this is Method 1')
```

```
✓ def Method(self, a, b, c):  
    print('this is method 2')
```

```
>>> obj = Telematics()
```

```
>>> obj.Method(10, 20, 30)
```

```
>>> obj.Method(10, 20)
```

Method Overloading

Function Overloading ✓

Method Overloading ✓

⇒ Operator Overloading With Dunder Methods:

+ operator → `--add--()`

- operator → `--sub--()`

==
==
==

```
class Integer:
    def __init__(self, a):
        self.a = a

    def __add__(self, other):
        return self.a + other.a

    def __sub__(self, other):
        return self.a - other.a
```

>>> num1 = Integer(10)

>>> num2 = Integer(20)

>>> 30 (int) X

num1 - num2 - num3

int (-10)

int

Integer
Integer

Error:

Unsupported
operand type

def __sub__(self, other):

return Integer(self.a, other.a)

⇒ My Dream is a="This is My Car"

b = "Car"

a - b

⇒ "This is My"

How can we fulfill
this?