

Lecture

Call Methods from Other Methods





Call Methods from Other Methods

Method

```
self.method_name(<args>)
```



Call Methods from Other Methods

Method

```
self.method_name(<args>)
```



Call Methods from Other Methods

Method



```
self.method_name(<args>)
```



Call Methods from Other Methods

Method

```
self.method_name(<args>)
```



Call Methods from Other Methods

Method

```
self.method_name(<args>)
```





Call Methods from Other Methods

Method

```
self.method_name(<args>)
```



Call Methods from Other Methods

```
class CashRegister:

    tax = 0.05

    def __init__(self, cashier, serial):
        self.cashier = cashier
        self._serial = serial

    def display_total(self, subtotal):
        print("=== Welcome to our store ===")
        print("The subtotal is:", subtotal)
        print("The tax is:", self.calculate_tax(subtotal))
        print("-----")
        print("The total is:", self.calculate_total(subtotal))

    def calculate_total(self, subtotal):
        return subtotal + self.calculate_tax(subtotal)

    def calculate_tax(self, amount):
        return amount * CashRegister.tax
```




Call Methods from Other Methods

```
class CashRegister:

    tax = 0.05

    def __init__(self, cashier, serial):
        self.cashier = cashier
        self._serial = serial

    def display_total(self, subtotal):
        print("=== Welcome to our store ===")
        print("The subtotal is:", subtotal)
        print("The tax is:", self.calculate_tax(subtotal))
        print("-----")
        print("The total is:", self.calculate_total(subtotal))

    def calculate_total(self, subtotal):
        return subtotal + self.calculate_tax(subtotal)

    def calculate_tax(self, amount):
        return amount * CashRegister.tax
```



Call Methods from Other Methods

```
class CashRegister:

    tax = 0.05

    def __init__(self, cashier, serial):
        self.cashier = cashier
        self._serial = serial

    def display_total(self, subtotal):
        print("=== Welcome to our store ===")
        print("The subtotal is:", subtotal)
        print("The tax is:", self.calculate_tax(subtotal))
        print("-----")
        print("The total is:", self.calculate_total(subtotal))

    def calculate_total(self, subtotal):
        return subtotal + self.calculate_tax(subtotal)

    def calculate_tax(self, amount):
        return amount * CashRegister.tax
```



Call Methods from Other Methods

```
class CashRegister:

    tax = 0.05

    def __init__(self, cashier, serial):
        self.cashier = cashier
        self._serial = serial

    def display_total(self, subtotal):
        print("=== Welcome to our store ===")
        print("The subtotal is:", subtotal)
        print("The tax is:", self.calculate_tax(subtotal))
        print("-----")
        print("The total is:", self.calculate_total(subtotal))

    def calculate_total(self, subtotal):
        return subtotal + self.calculate_tax(subtotal)

    def calculate_tax(self, amount):
        return amount * CashRegister.tax
```



Call Methods from Other Methods

```
class CashRegister:

    tax = 0.05

    def __init__(self, cashier, serial):
        self.cashier = cashier
        self._serial = serial

    def display_total(self, subtotal):
        print("=== Welcome to our store ===")
        print("The subtotal is:", subtotal)
        print("The tax is:", self.calculate_tax(subtotal))
        print("-----")
        print("The total is:", self.calculate_total(subtotal))

    def _calculate_total(self, subtotal):
        return subtotal + self.calculate_tax(subtotal)

    def _calculate_tax(self, amount):
        return amount * CashRegister.tax
```

You must update these lines if you add a leading underscore



Call Methods from Other Methods

Method

```
self.method_name(<args>)
```



Now... An Example

