Function no parameters and no return statement

```
In [11]:
def greetings():
    print("Good morning")
greetings()
```

Good morning

Function with parameters and no return statement

```
In [2]:
# Good morning, name

def greetings2(name):
    print("Good morning," , name)
greetings2("John")
```

Good morning, John

Function no parameter with a return value

```
In [5]:
def readSalary():
    salary = eval(input("Enter your salary"))
    return salary

mySalary = readSalary()
print(mySalary)
```

Enter your salary1800
Your salary after tax = 1674.0

Function with parameters and a return value

```
In [7]:
def applyTax(salary, taxRate):
    afterTaxSalary = salary * (1 - taxRate)
    return afterTaxSalary

mySalary = 1800
taxRate = 0.05
afterTax = applyTax(mySalary, taxRate)
print(afterTax)
```

Enter your Salary1800
Your salary after tax = 1674.0

Function with parameters and multiple return statement

```
In [9]:
def operations(num1, num2):
    total = num1 + num2
    diff = num1 - num2
    product = num1 * num2
    return total, diff, product

values = operations(5, 10)
print(values)
```

(15, -5, 50)

### Class inheritance and encapsulation

```
In [21]:
class MyClass:
    def __init__(self, value):
        self.value = value

print(MyClass(5))
```

5

### Class inheritance and encapsulation

```
In [21]:
class MyClass:
    def __init__(self, value):
        self.value = value

print(MyClass(5))
```

5

### Check for duplicates

```
In [21]:
class MyClass:

    def __init__(self, value):
        self.value = value

    def checkDuplicates(self, num1, num2):
        if num1 == num2:
            return True
        else:
            return False

myClass = MyClass(5)
print(myClass.checkDuplicates(5, 10))
```

True