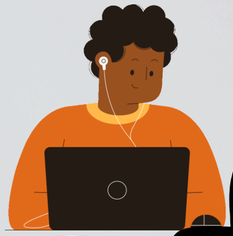
python™ 3

OOP



Constructor

With

Md Mohaiminul Islam Imran

email: emukhan568@gmail.com

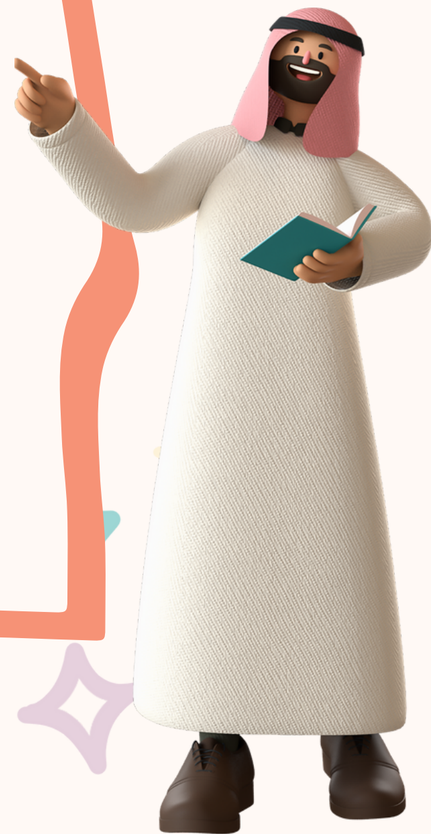
In Python, a constructor is a special method that is automatically called when an object is created. It is used to initialize the object's attributes with some default values or user-specified values. In Python, the constructor method is always named __init__

A constructor is called only once at the time of creating an instance/object.

If two instances/objects are created for a class, the constructor will be called once for each instance/object.

```
class Person:
    def __init__(self, name, age):
        self.name = name
        self.age = age
```

In this example, the Person class has a constructor that takes two parameters: name and age. When an object of the Person class is created, the __init__ method is automatically called, and the name and age attributes are set to the values passed as arguments to the constructor.



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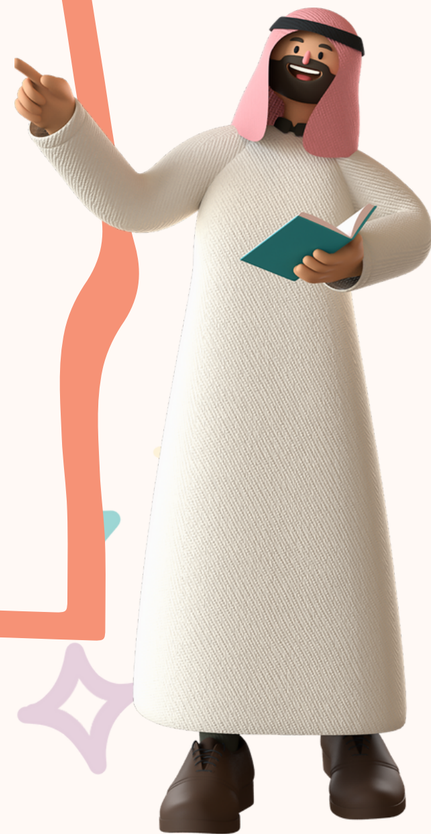

Constructor without Parameter

```
class Mobile:
    def __init__(self):
        self.model ='Realme X'


realme = Mobile( )
```

Constructor with Parameter

```
class Mobile:
    def __init__(self, m):
        self.model = m
realme = Mobile('Realme X')
```

Constructor with Parameter

```
class Mobile:
    def __init__(self, m, v=90):
        self.model = m
        self.volumn = v
redmi = Mobile('Redmi 8s', 40)
```