

demo kelas topik 6

April 1, 2022

```
[58]: nama = "Muhammad Ogin Hasanuddin"
```

```
[59]: type(nama)
```

```
[59]: str
```

```
[4]: umur = str()
```

```
[5]: type(umur)
```

```
[5]: str
```

```
[60]: class Person:
      # mengisi disini
      pass
```

```
[61]: person1 = Person()
```

```
[62]: person1.name = 'Jhon'
```

```
[63]: print(person1.name)
```

Jhon

```
[64]: person2 = Person()
```

```
[65]: print(person2.name)
```

```
-----
AttributeError                                Traceback (most recent call last)
<ipython-input-65-7843711f2edd> in <module>
----> 1 print(person2.name)

AttributeError: 'Person' object has no attribute 'name'
```

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

```
self.age = age
```

```
[13]: person = Person('Jhon', 25)
```

```
[14]: print(person.name)
```

Jhon

```
[15]: print(person.age)
```

25

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

    def greet(self):
        return f"Hi, it's {self.name}."
```

```
[17]: person = Person('Jhon', 25)
```

```
[18]: print(person.greet())
```

Hi, it's Jhon.

```
[19]: greet = person.greet()
```

```
[20]: print(greet)
```

Hi, it's Jhon.

```
[21]: class Person:
    counter = 0

    def __init__(self, name, age):
        self.name = name
        self.age = age

    def greet(self):
        return f"Hi, it's {self.name}."
```

```
[22]: Person.counter
```

```
[22]: 0
```

```
[23]: person = Person('Jhon', 25)
```

```
[24]: person.counter
```

[24]: 0

```
[25]: class Person:
        counter = 0

        def __init__(self, name, age):
            self.name = name
            self.age = age
            Person.counter += 1 # Person.counter = Person.counter + 1

        def greet(self):
            return f"Hi, it's {self.name}."
```

[26]: Person.counter

[26]: 0

[27]: p1 = Person('Jhon', 25)

[28]: p2 = Person('Jane', 22)

[29]: print(Person.counter)

2

```
[30]: class Person:
        counter = 0

        def __init__(self, name, age):
            self.name = name
            self.age = age
            Person.counter += 1 # Person.counter = Person.counter + 1

        def greet(self):
            return f"Hi, it's {self.name}."

        @classmethod
        def create_anonymous(cls):
            return Person('Anonymous', 22)
```

```
[32]: class TemperatureConverter:
        @staticmethod
        def celcius_to_fahrenheit(c):
            return 9*c/5+32

        @staticmethod
        def fahrenheit_to_celcius(f):
            return 5*(f-32)/9
```

```
[33]: f = TemperatureConverter.celcius_to_fahrenheit(30)
```

```
[34]: print(f)
```

86.0

```
[39]: class Employee(Person):
        salary = 3000
        def __init__(self, name, age, job_title):
            super().__init__(name, age)
            self.job_title = job_title
```

```
[40]: print(type(Employee.salary))
```

<class 'int'>

```
[41]: print(Employee.salary)
```

3000

```
[42]: p1 = Employee('Jhon', 25, "programmer")
```

```
[43]: p2 = Person('Jane', 22)
```

```
[44]: p2.salary
```

```
-----
AttributeError                                Traceback (most recent call last)
<ipython-input-44-0f184b01f641> in <module>
----> 1 p2.salary

AttributeError: 'Person' object has no attribute 'salary'
```

```
[45]: p1.salary
```

```
[45]: 3000
```

```
[50]: class Person:
        def __init__(self, name):
            self.name = name

        def greet(self):
            return f"Hi, it's {self.name}."
```

```
[51]: class Employee:
        def __init__(self, name, job_title):
            self.name = name
            self.job_title = job_title
```

```
def greet(self):  
    return f"Hi, it's {self.name}."
```

```
[52]: class Employee(Person):  
        def __init__(self, name, job_title):  
            self.name = name  
            self.job_title = job_title
```

```
[56]: employee = Employee('Jhon', 'Programmer')
```

```
[57]: print(employee.greet())
```

Hi, it's Jhon.

```
[53]: x = 5
```

```
[54]: x = 3
```

```
[55]: print(x)
```

3

```
[ ]:
```