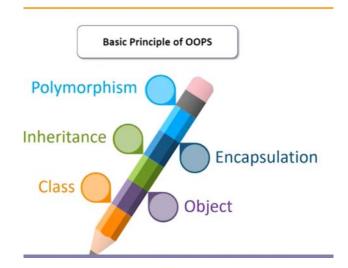
## OOPS In python

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What is object && class

## What are Objects and Classes? O1 - Object is the basic unit of object-oriented programming O2 - An object represents a particular instance of a class There can be more than one instance of an object O4 - Each instance of an object can hold its own relevant data O5 - Objects with similar properties and methods are grouped together to form a Class

## In it method

\_\_init\_\_() method in Python

## Example

```
class Student(object):
    def __init__(self, name, branch, year):
        self.name = name
        self.branch = branch
        self.year = year
        print("A student object is created.")

    def print_details(self):
        print("Name:", self.name)
        print("Branch:", self.branch)
        print("Year:", self.year)

obl= Student( "Paul", "CSE", 2019)
    obl.print_details()

A student object is created.

Name: Paul
Branch: CSE
Year: 2019
```

- \_\_init\_\_ is a special method in Python classes is a constructor method for a class
- \_\_init\_\_ is called when ever an object of the class is constructed

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

    def talk(self):
        print("Woof!")

    def printName(self):
        print("My name is: {}".format(self.name))

dog = Dog("Charlie")

dog.talk()
dog.printName()
```