* [OOP Exercise 1: Create a Class with instance attributes](https://pynative.com/python-object-oriented-programming-oop-exercise/" \l "h-oop-exercise-1-create-a-class-with-instance-attributes).
* [OOP Exercise 2: Create a Vehicle class without any variables and methods](https://pynative.com/python-object-oriented-programming-oop-exercise/#h-oop-exercise-2-create-a-vehicle-class-without-any-variables-and-methods)
* [OOP Exercise 3: Create a child class Bus that will inherit all of the variables and methods of the Vehicle class](https://pynative.com/python-object-oriented-programming-oop-exercise/#h-oop-exercise-3-create-a-child-class-bus-that-will-inherit-all-of-the-variables-and-methods-of-the-vehicle-class)
* [OOP Exercise 4: Class Inheritance](https://pynative.com/python-object-oriented-programming-oop-exercise/#h-oop-exercise-4-class-inheritance)
* [OOP Exercise 5: Define a property that must have the same value for every class instance (object)](https://pynative.com/python-object-oriented-programming-oop-exercise/#h-oop-exercise-5-define-a-property-that-must-have-the-same-value-for-every-class-instance-object)
* [OOP Exercise 6: Class Inheritance](https://pynative.com/python-object-oriented-programming-oop-exercise/#h-oop-exercise-6-class-inheritance)🡪 create a abstract method and inherit the base class as well as child class
* Use constructor and make a multilevel inheritance with the help of super key word.
* What is polymorphism?
* WAP and give the example of method overloading and method overriding ?
* Which type of polymorphism is supported in python? Explain with the help of a simple program.
* Make a class of your own and also change its variable and method into private mode with the help of encapsulation?

## **[How to create an empty Class in Python?](https://www.pythonprogramming.in/object-oriented-programming/how-to-create-an-empty-class-in-python.html" \o "How to create a Class and it's Object in Python?)**

## **[How to create a Class using type in Python?](https://www.pythonprogramming.in/object-oriented-programming/how-to-create-a-class-using-type-in-python.html" \o "How to create an empty Class in Python?)**

## **[How to create and call Method of a Class in Python?](https://www.pythonprogramming.in/object-oriented-programming/how-to-create-class-method-and-call-using-object-in-python.html" \o "How to create a Class using type in Python?)**

## **[How to use the \_\_init\_\_() method to assign values to data attributes in Python?](https://www.pythonprogramming.in/object-oriented-programming/how-to-use-the-init-method-to-assign-values-to-data-attributes-in-python.html" \o "How to create and call Method of a Class in Python?)**

## **[How to update Object properties in Python?](https://www.pythonprogramming.in/object-oriented-programming/how-to-update-object-properties-in-python.html" \o "How to use the __init__() method to assign values to data attributes in Python?)**