Python oops

Class:

It is a collection of data members and member function.

Object:

Object is the one which access the data members and member functions and communicate within the class.

Constructor (\_\_init\_\_):

* It is the one which executes the class whenever it is created (It is used to initialize the object's attributes.).
* it calls itself whenever a object is created, memory for the variables I the class is given.

Self:

* It points to a current variable.
* It allows variables to be accessed by multiple functions within a class.

Polymorphism:

Two types:

1. Compile time polymorphism
2. Run time polymorphism

Compile time polymorphism

* Function overloading not possible (last written function with same name is remembered)
* Constructor overloading not possible (last written constructor with same name is remembered)
* Operator overloading is possible

Example: 1+1=2; ‘1’+”1” =11

Run time polymorphism