Class:

Logical representation of things.

Collection of methods and variables.

Everything in python is object.

Syntax:

Class <class name>:

Def <function name>(self,other parameters):

Object:

It is a physical representation of class.

Syntax:

P=<class name>()

p.<function name>()

Encapsulation:

Wrapping of data.

Syntax:

Abstraction:

Hiding Complex details.showing necessary msj or data.

Polymorphism:

Having multiple form

Inheritance:

Parent child relation.

Exception handling:

Handling the errors run time error.

Dynamic Binding:

Create temporary storage at Run time , runtime polymorphism.

Message Passing:

Sending and receiving message to one class to another class.

Self:(class)

Pointing current object

First argument is default

Instance memory:(object):

Photo

Cunstructor:

Use in class

Photo

Super() Function:

To call parent class first in run time

Syntax: write in child class

Super().Show1()

Overloading in python:

1.method overloading

2.constructor overloading

Overriding in python:

1.method overriding

Function(method) Overloading:

Same functions have different arguments

Regular Expression in python:

Use for pattern matching in string.