

## Section - 3

**Polymorphism :-** in literal sense Polymorphism means the ability to take various forms. In python polymorphic allows us to define methods in the child class with the same name as defined in their parent class.

**Static Polymorphism :-** Static polymorphism is polymorphism that occurs at compile time & dynamic not executed. An aspect of static polymorphism is early binding. In early binding the specific method to call is resolved at compile time.

**Unpacking Sequence :-** Python allows unpacking of any sequence of any sequence into variables using a simple assignment operation. Unpacking can be done by assigning sequence to common separated variable.

ex: - unpacking Point variable x & y

$P = (100, 200)$

$x, y = P$

Print(x)

Print(y)

Output 100

200

Tuple:- A Tuple is a collection of object which order & immutable. Tuple are sequence, Just like list. The difference b/w tuple & list are the tuple can be change like list and tuple uses parantheses

ex

tup = (5, 10, 15, 20)

tup = () , empty tuple.