

## **Module – 2 (Fundamentals of python)**

### **1.How memory is managed in Python?**

**Answer:** As we all know, memory management is very important to work well with any programming language. It is used almost in every technical domain. Day by day we ignore the importance of memory management while implementing large amount of data. That ignorance leads to slowness of application, so it will take time while processing the data.

In python, memory is managed by the Python manager which determines where to put the application data in the memory. Memory is looks like empty book, so manager will find free space in the book and provide it to application. This procedure is called allocation.

There are two types of memory allocation:

- Static Memory Allocation
- Dynamic Memory Allocation

### **2.What is the purpose continue statement in python?**

**Answer:** In python, continue statement is used to skip the remaining statements of the current loop and go to the next iteration. The continue keyword is a loop control statement that allows us to control loop's control.

#### **Syntax:**

Continue

### **3.What are negative indexes and why are they used?**

**Answer:** Negative indexes, which allows you to access elements of sequence such as list, string, tuple from the end using negative numbers as indexes. The last element of a sequence has an index of -

1, the second last has an index of -2, and so on. They are used because they are more efficient and are considered by much more readable.