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

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

**Python**  is a high-level programming language implemented in the C programming language. The Python memory management system handles memory allocations in Python. Understanding memory management is crucial for a software developer. Because Python is so widely used in software development, building memory-efficient Python code is usually a need. As the use of massive data expands, the necessity of memory management is now stress-free.

According to the Python memory management documentation, Python has a private heap that stores our program’s objects and data structures. Python memory manager takes care of the bulk of the memory management work and allows us to concentrate on our code.

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

It returns the control to the beginning of the while loop.The continue statement rejects all the remaining statements in the current iteration of the loop and moves the control back to the top of the loop.

In Python, the continue keyword return control of the iteration to the beginning of the Python for loop or Python while loop. All remaining lines in the prevailing iteration of the loop are skipped by the continue keyword, which returns execution to the beginning of the next iteration of the loop.

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

As we know**, indexes are used in arrays in all the programming languages.**We can access the elements of an array by going through their indexes. But no programming language allows us to use a negative index value such as -4. Python programming language supports negative indexing of arrays, something which is not available in arrays in most other programming languages. This means that the index value of -1 gives the last element, and -2 gives the second last element of an array. The negative indexing starts from where the array ends. This means that the last element of the array is the first element in the negative indexing which is -1.