

QUE – 4. How memory is managed in Python ?

⇒ **Automatic Memory Management:**

Python uses a dynamic memory management system that automatically handles the allocation and deallocation of memory. This means that developers do not need to explicitly allocate or deallocate memory as in some low-level languages like C .

⇒ **Garbage Collection :**

Python employs a garbage collector to automatically reclaim memory occupied by objects that are no longer in use. The garbage collector identifies and frees up memory that is no longer referenced by any part of the program. This helps prevent memory leaks, where memory is allocated but never released.