

Assignment module 2

Question 1: How memory is managed in python?

Answer: In python memory allocation is automatic. It dynamically allocates and frees memory. Python uses private heap space for memory management. The object is instantly deallocated by python's interpreter garbage collector after reference count drops to zero. Reference counting is main method for managing memory. Python keeps track of total amount of references pointing to each object. While not a primary way of managing memory in python , the ctypes library allows you to interface with external libraries.

Question 2: What is purpose of continue statement in python?

Answer: Continue statement is used to skip current iteration from program and iterate from next statement. It is jumping statement. It improves readability and helps in avoiding nested code.

Question 3: What are negative indexes and why they are use?

Answer: Indexing from end means negative indexing. It starts from where the array ends. Negative index is used to give convenient ending. It is used to offer a consistent way to make code easier and refer elements.