C Program Memory – Very Simple View

This is a beginner-friendly view of where things go when a C program runs. No deep internals, just enough to not mess things up in exams or real code.

Memory Part	What Goes Here	Simple Example
Code (Text)	All functions	main(), printf(), add()
Global Memory	Global & static variables	int x = 10; static int count;
Heap	Memory you ask for manually	malloc(100)
Stack	Local variables & function calls	int a; function parameters

Rule to remember: If you did NOT use malloc, it is NOT in the heap. If the variable is inside a function, it is on the stack. Global things live for the full program life.