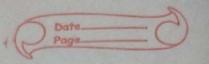
C\_134 > Dynamic Memory Allocation using Calloco \* Calloc () is used to allocate memory dynamically and full form of callocation is declared isside the file stalled. there of memory and each block is of \* mallore) allocates single block of memory \* callor) accepts two arguments but mallor!)
takes only one argument. (void \*) Calloc (size + n, size + size) int size el eac size of each blak. retions type noted blocks int \*ptr = > Static Memory allocation (int\*) Calloc(5, sized (int)); -> DHA using Challon 121 butavillo 10 Callors) 157 Shup 200 300 446 538 baa address rutions base 1000 4 byth 4b 4b 4bu in points which addruss of int types is of int type bassones So type cost from void to in-

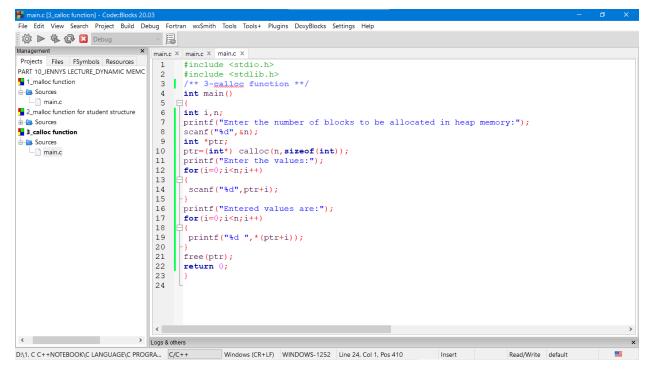


	Dijerena De mallor) & Callor()
	int * ptr;
	ptn = (int *) Callor (5, simple (int)):
	Noblem and 3rd 4th 5th block
-01	Puts = (int *) Calloc (5, sirged (int));  18 blue 2nd 3rd 44 5kblock.  10 0 0 0 0 D Initializations by  10 4b 4b 4b 4b
	the separate of different
Vi	singe 4 lytes blocks of each of
1	singe 4 leytes
	, KULL VIII VIII VIII VIII VIII VIII VIII V
10.55	int spln;
	alla de
. 11.	ptr = (int *) mallar (5 * singer (int));
	NVW Garbay rely Tritialization
	hoo 20 bytes block = Initialization  1 block
	1 block
1	* It will allocate I block of 20 bytes
64	1001 10 1110
	NOTE:
	deal from
	* The memory allocated by callocal by
stra	A The memory alterated by calloc1) by default intradiged with riero
25) (F)	
2000	A The memory allocated by malloc() by default initialized to any garbage values
36	default initialized to any garbage values
1	
388	the de state of the string is

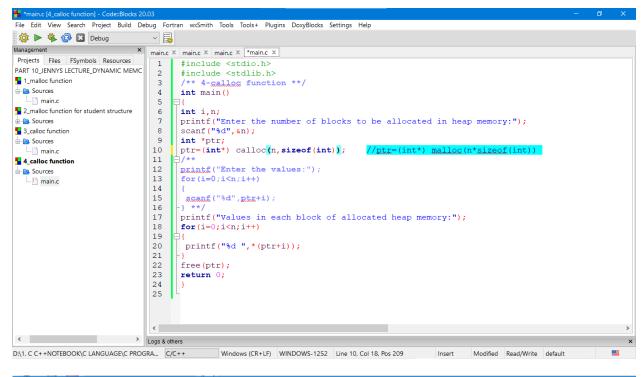
the is born

dosignment: allocate 5 integer values using calloce) then fru the memory and allocate 10 float values in maint) point (" Enter total not of values: 10"); scanf (" +d", 8n); ptr = (int \*) and caller (n, significat)); for ( =0; in; i++) Chick Without 3 // " /d", (ptr +1)); initializing and the potenti [" Entoud Valus are:");

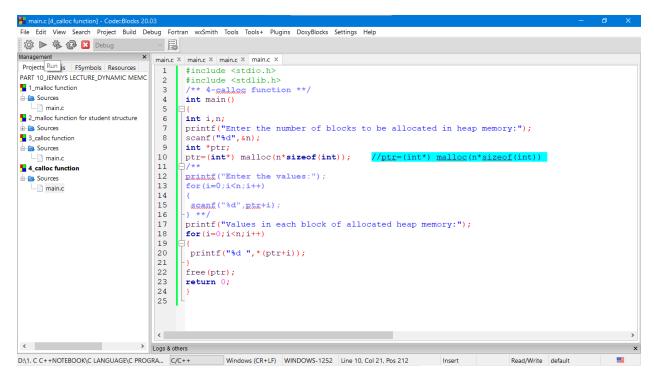
for (i=0; i\n; i++) Output will be pointed pointy [" 1. d", \* (ptn + i)); as os. 3 pu(ph); Ip: - Agmi Enter total Not of Values: 3 Enter values: 1 2 3 Entired Values: 12 3 2/2 Pgm 2 Enter total not of Values: 3 Pgro 3:- If you do the same thing with mallore you will get garbage values.

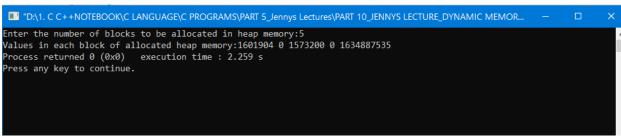


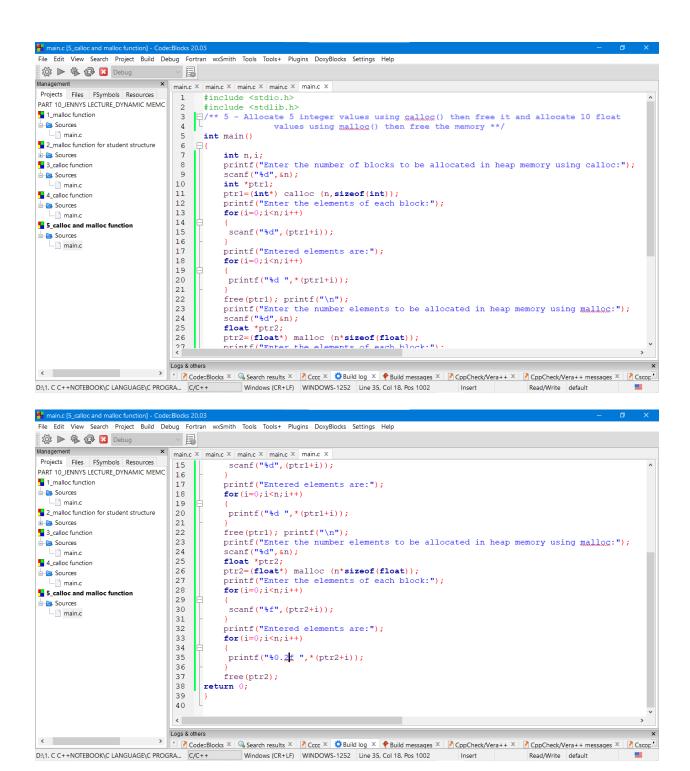
## "D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5\_Jennys Lectures\PART 10\_JENNYS LECTURE\_DYNAM Enter the number of blocks to be allocated in heap memory:3 Enter the values:1 2 3 Entered values are:1 2 3 Process returned 0 (0x0) execution time : 4.498 s Press any key to continue.



## "D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5\_Jennys Lectures\PART 10\_JENNYS LECTURE\_DYNAMIC MEMOR... — Enter the number of blocks to be allocated in heap memory:3 Values in each block of allocated heap memory:0 0 0 Process returned 0 (0x0) execution time: 2.678 s Press any key to continue.







## ■ "D:\1. C C++NOTEBOOK\C LANGUAGE\C PROGRAMS\PART 5\_Jennys Lectures\PART 10\_JENNYS LECTURE\_DYNAMIC M

Enter the number of blocks to be allocated in heap memory using calloc:3
Enter the elements of each block:1 2 3
Entered elements are:1 2 3
Enter the number elements to be allocated in heap memory using malloc:5
Enter the elements of each block:1.2 1.2 1.2 1.2
Entered elements are:1.20 1.20 1.20 1.20
Process returned 0 (0x0) execution time: 29.854 s
Press any key to continue.