## Day - 67

Memory Management

int n;
cin >> n;
int ann(n); X (This is not allowed)
vector cint > v(n);

=) We have two ways to stone data —
Stack & Heap.

Dynamile Heap D G 4C18

Memory Stack Stack

Static Always have low memory Memory ANB

void F1(183: void F2(183 void F3 (183)

int main() & Heap

int 2(,y,2)

x=10, y=20, 2\*=30; FI(); \$

F2();

F3 (7;

-3 will

whom FI() completes their work than it will remove from stack.

=) same goes to main().

int Farrend; - This is not allowed because if the size of n is greater than stack memory then problem on error will come.

=)	If we want to stone our variables in heap then
	we have to use a keyward - 'new'
=1	how int ]
	This will noturn address of Heap
	that region.
=)	int +ph= new int; ptn
	For array
	int +p1 = new int [20]
	THE PLANTING COUNTY
#	Hono . Has constate - Salas III al 1
	Here, the created pointer will store in stack
	because then we can access the address of that
=1	pointry. will
	But if pointers store in heap. then we can't
4	
	After our main() completes, stack will automatically
	rainery but head will best do this
	automatically.
=1"	C. I. I.
	so to roleases memory from heap, we have to
	reg word.
	Ex: delete ptr;
	delete pto 1;
	delete () p; -1 for away
7	
	work vector automatically released in memory
	work vector automatically releases from memory
=	Puhamic Mahama and
	at runtime. Memory succation when we allocate memory
	d.

Page: Static Memory Allocation: when we allocate momory at compile time.