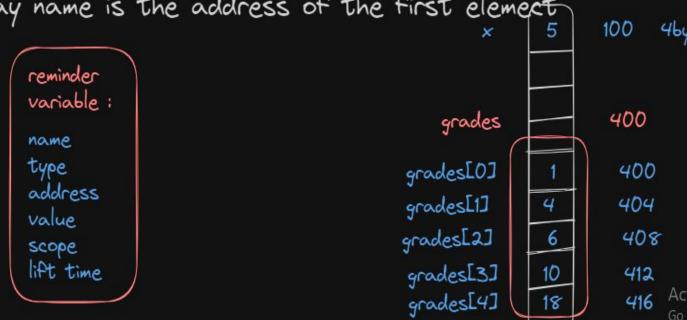
## Array

is a group of values of the same datatype, allocated at memory as 1 block (after each other)..

Array name is the address of the first element



6 Activate Windows
Go to Settings to activate Windows.

Array declaration: int grades[5]; what will happened if i input number to 10??? \*\* declaration - int arr[5] =  $\{1,2,3,4,5\}$ 

EX: Write a program to fill the array element and display them get the average of the grades print the address of the element in the memory

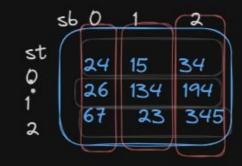
## 2 D Array

## if i want to save 3 grades for 3 studentes

## Array declaration:

int grades[3][3];

	Memory Address	Data	Array Index
ase Address →	40000	24	arr[0][0]
	40004	15	arr[0][1]
	40008	34	arr[0][2]
	40012	26	arr[1][0]
	40016	134	arr[1][1]
	40020	194	arr[1][2]
	40024	67	arr[2][0]
	40028	23	arr[2][1]
	40032	345	arr[2][2]



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Ex: write a program to take 2D array from user and print it get the sum of the grades for each student and calc the average of the grades for every subject