

## Lec 1 Dr. Walid

"int MYARR[10];" <sup>user level</sup> ~~managing~~ <sub>intern level</sub>

- ① reserving a contiguous space in memory = element size  $\times$  #elements
- ② giving starting address name "MYARR"

"MYARR[3] = 27;" <sup>user level</sup>

1- calculates the loc add

Loc Add = MYARR + 3  $\times$  size of (int)

2- stores "27"



"the use of functions. You use the structure at the user level without caring about the details at the implementation level" <sup>information hiding</sup> ~~concealment~~

"there is no way to change implementation level at the user level"

Stacks <sup>most used in operating systems</sup> Last in First out LIFO