**Vector library in c++**

**.at()** : shows you the index of vector

*Vector<int> nums = {1 , 2, 7}; // nums.at(2)=7*

**.size()** : returns the size of the array // = 3

**.push\_back()** : adds element

n*ums.push\_back(20) ; // 20 is added to the vector !*

*// it becames then nums = {1 , 2, 7 , 20};*

**.pop\_back()** : removes element

n*ums.pop\_back() ; // we removed the last value : 20*

**.max\_size()** : the maximum size that your program can store

**.capacity()** : storage occupied by vector //*it’s usually size+1*

**.front()** : the 1st element in the vector

**.back()** : the last element in the vector

**.clear()** : clears all the content of the vector

**.erase( , )** : clears the selected interval in the vector

*Nums.erase( nums.begin() , nums.begin() +2 ) ;*

*Remember that the end IS NOT INCLUDED !!!*

**.empty() :** checks if the vector is empty

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