The prices of all cars of a car shop have been saved as an array called N. Each element of the array N is the price of each car in shop. A person, with the amount of money k want to buy as much cars as possible.

**Request:** Implement function

buyCar(int\* nums, int length, int k);

Where nums is the array N, length is the size of this array and k is the amount of money the person has. Find the maximum cars this person can buy with his money, and return that number.

Example:

nums=[90, 30, 20, 40, 50]; k=90;

The result is 3, he can buy the cars having index 1, 2, 3 (first index is 0).

*Note: The library iostream, 'algorithm' and using namespace std have been used. You can add other functions but you are not allowed to add other libraries.*

**For example:**

| **Test** | **Result** |
| --- | --- |
| int nums[] = {90,30,40,90,20};  int length = sizeof(nums)/sizeof(nums[0]);  cout << buyCar(nums, length, 90) << "\n"; | 3 |