https://course.acciojob.com/idle?question=2043dd77-9c0e-40e0-ba3e-71241af644cc

- EASY
- Max Score: 30 Points

Boats to Save People

You are given an array people where people[i] is the weight of the ith person, and an infinite number of boats where each boat can carry a maximum weight of `limit`. Each boat carries at most two people at the same time, provided the sum of the weight of those people is at most `limit`.

Return the minimum number of boats to carry every given person.

Input Format:

First line contains two integer N and K, where N is the size of array and K is the limit of weight of boat.

Second line contains n integers arr[i].

Output Format:

Print the minimum number of boats.

EXAMPLE 1:

Input:

```
2 3
1 2
```

Output:

```
1
```

EXPLANATION:

1 boat (1, 2)

EXAMPLE 2:

Input:

```
4 5
3 5 3 4
```

Output:

4

EXPLANATION:

4 boats (3), (3), (4), (5)

CONSTRAINTS:

1 <= people.length <= 5 * 10^4

1 <= people[i] <= limit <= 3 * 10^4

Topic Tags

- **2-Pointers**
- **Sorting**

My code

```
// in java
import java.io.*;
import java.util.*;
class Solution
```

```
{
    public static int numRescueBoats(int[] people, int limit) {
     int ans=0;
            int n=people.length;
            Arrays.sort(people) ;
            int i=0,j=n-1;
            while(i<=j)
                {
                    if(people[i]+people[j]>limit)
                        j--;
                      else {j--;i++;}
                      ans++;
                }
            return ans;
    }
}
public class Main {


     public static void main(String args[])
     {
            Scanner sc = new Scanner(System.in);
            int n = sc.nextInt();
            int k = sc.nextInt();
            int[] nums = new int[n];
            for (int i = 0; i < n; i++)
            {
                nums[i] = sc.nextInt();
            }
            System.out.println(Solution.numRescueBoats(nums, k));
     }
```

```
}
```