https://course.acciojob.com/idle?question=f185235e-e699-4a30-b8c8-849df2bbbe97

- EASY
- Max Score: 30 Points

Yash and Maximum Sum

Yash has an integer array 'arr' of length 'N'. He wants to find the maximum sum of the array after ignoring 'K' elements either from start or end of the array. Can you help him?

Note: You can ignore elements from both end and start but a total of 'K' elements will be ignored.

Example:

If N = 7 and K = 3, and the input array is: `{2, 3, 4, 5, 6, 7, 8}`

After ignoring the first three elements, the resulting array now becomes `{5, 6, 7, 8}` and the sum of the remaining array is equal to `26`. Ignoring any other combination of three elements will always result in the remaining array sum less than `26`.

Your task is to complete the function `kCornerElements` which receives `N`, `K`, `arr` as parameters and returns the required sum.

Input Format:

The first line of input contains two space separated integers 'N' and 'K'.

The second line of input contains 'N' space separated integers denoting the elements of the array 'arr'.

Output Format:

The only line of output contains maximum sum of the array after ignoring 'K' elements.

Example 1:

Input

```
6 3
2 3 7 5 6 4
```

Output:

```
18
```

Explanation: After ignoring two elements from the start and one element from the end, the original array now becomes {7, 5, 6}. The remaining elements of the array have a sum equal to 18.

Example 2:

Input

```
8 4
6 4 2 2 9 9 3 3
```

Output:

```
24
```

Explanation: After ignoring four elements from the start, the original array now becomes {9, 9, 3, 3}. The remaining elements of the array have a sum equal to 24.

Constraints:

1 <= N <= 10^4
0 <= K <= N
0 <= arr[i] <=10^5

Topic Tags

- **Prefix Sum**
- **Arrays**

My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
        public static void main (String[] args) throws
java.lang.Exception
        {
                //your code here
      Scanner s=new Scanner(System.in);
      int n=s.nextInt();
       int k=s.nextInt();
      int arr[]=new int[n];
      int sum1=0;
      for(int i=0;i<n;i++)
        { arr[i]=s.nextInt();sum1+=arr[i];}

      int min=sum1;
int j=k,l=0;
      while(j!=-1)
        { int sum=0;
          for(int i=0;i<j;i++)
          sum=sum+arr[i];
          for(int i=0;i<l;i++)
          sum=sum+arr[n-i-1];
```

```
            if(sum<min) min=sum;
          //  System.out.print(sum+" ");
            j--;I++;
           }
         System.out.print(sum1-min);
          }
}
```