30 Days Leetcode Challenge - Day 3

import java.util.Arrays;

public class leetday3

{

//[3,9,6], k = 2

//[1,4,8,13], k = 5

//[1,2,4], k = 5

// leet code 1838

//Input: nums = [0,1,0,3,12]

public static void main (String [] args)

{

// int arr [] = {1,1,1,2,2,4};

// int k = 2;

// // int arr [] = {1,2,4};

// // int k = 5;

// frequencyOfTheMostFrequentElement(arr,k);

// int arr [] = {0,1,0,3,12};

int n = 10;

fibo(n);

}

public static void frequencyOfTheMostFrequentElement(int arr[], int k)

{

Arrays.sort(arr);

int left = 0;

int right = 0;

long total = 0;

int result =0;

while(right<arr.length)

{

total = total + arr[right];

while((long)arr[right]\*(right-left+1)>total+k)

{

total = total - arr[left];

left = left +1;

}

result = Math.max(result,(right-left)+1);

right = right+1;

}

System.out.println(result);

}

public static void fibo(int n)

{

if(n==0)

{

System.out.println("0");

return;

}

if(n==1)

{

System.out.println("1");

return;

}

int prev1 = 1;

int prev2 = 0;

int curr = 0;

for(int i=2;i<n;i++)

{

curr = prev1 + prev2;

prev2 = prev1;

prev1 = curr;

}

System.out.println(curr);

}}