Problem 4: Cat Cafes

Time Limit: 1s
Memory Limit: 128MB

After teaching Alan Japanese, Jacob wants to decompress for a while. As an avid cat lover, he seeks out the most enjoyable cat cafe in Kyoto. After tireless minutes of research, he finds that there are N cat cafes in Kyoto, each with a rating of R_i. Jacob doesn't have much time to visit all the cat cafes, so he wants to visit the best K cat cafes. What is the sum of the ratings of the best K cat cafes?

Constraints

$1 \leq N \leq 10\,000$
$1 \leq R_i \leq 10\,000$
$1 \leq K \leq N$

Input Specification

The first line of input will contain the integer N and the second line will contain the integer K. The next N lines will contain the integer R_i, the rating of the ith cat cafe.

Output Specification

Output a single integer, the sum of the ratings of the best K cat cafes.

Sample Input

```
5
3
1
2
3
4
5
```

Sample Output

```
12
```

Explanation

The best 3 cat cafes are the ones with ratings 3, 4, and 5. The sum of their ratings is $3 + 4 + 5 = 12$.