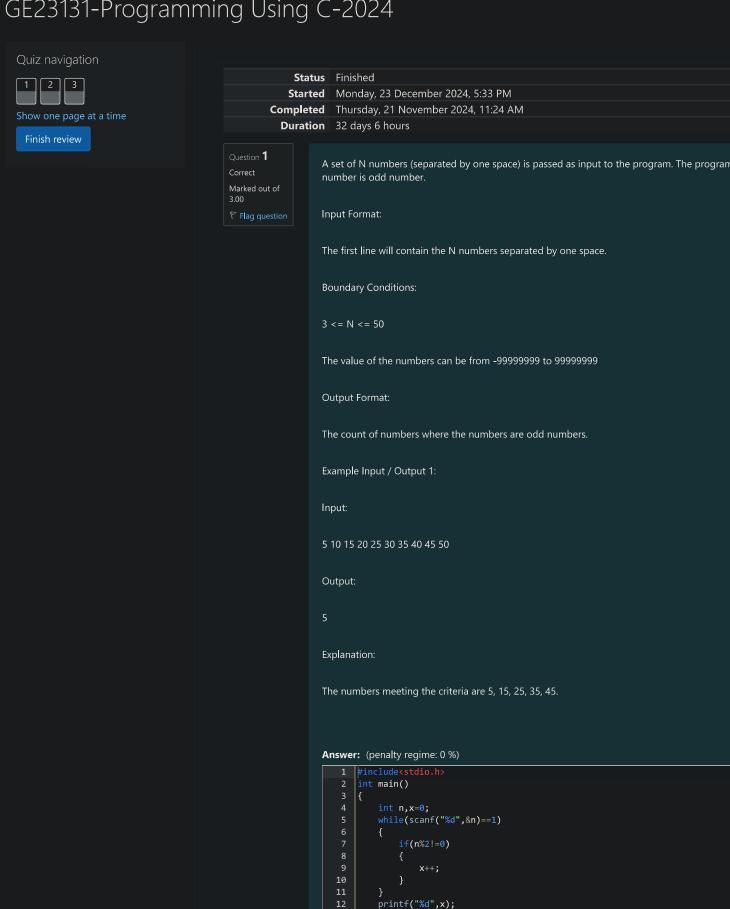
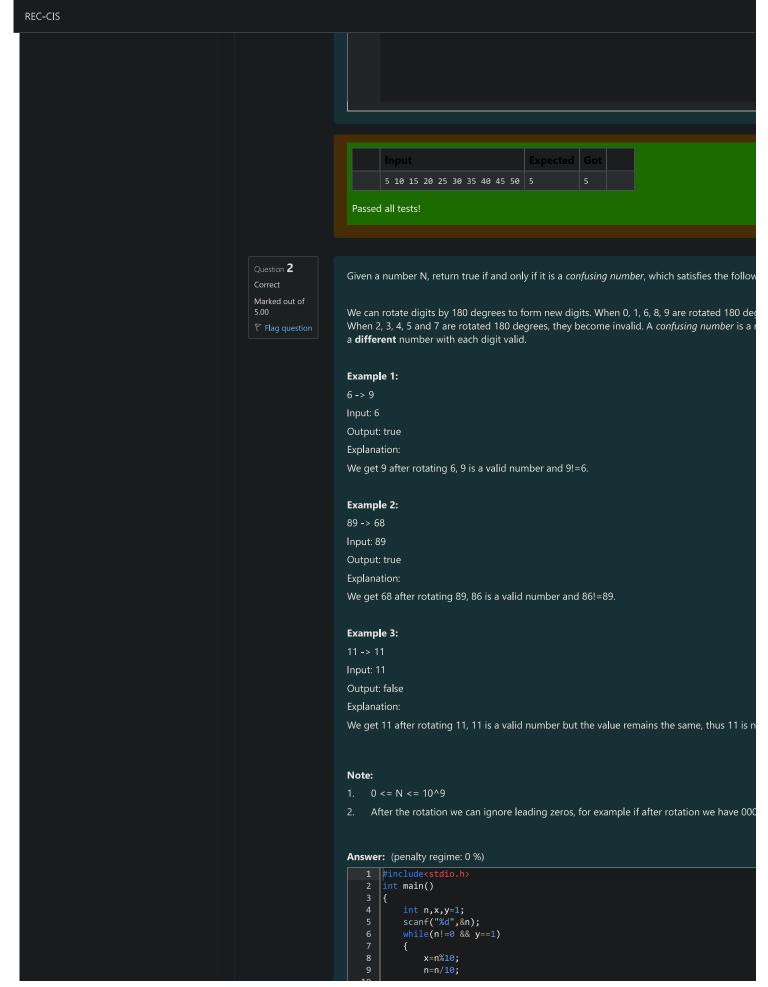
REC-CIS

GE23131-Programming Using C-2024





REC-CIS

Г	Input	Expected	Got	
	6	true	true	
	89	true	true	
	25	false	false	

Passed all tests!

Question **3**Correct
Marked out of 7.00

P Flag guestion

A nutritionist is labeling all the best power foods in the market. Every food item arranged in a and increasing by 1 for each, until all items have a value associated with them. An item's valu has. For example, food item with value 1 has 1 macronutrient, food item with value 2 has 2 m

The nutritionist has to recommend the best combination to patients, i.e. maximum total of m avoid prescribing a particular sum of macronutrients (an 'unhealthy' number), and this sum is the increasing order of their value. Compute the highest total of macronutrients that can be p matching the given 'unhealthy' number.

Here's an illustration:

Given 4 food items (hence value: 1,2,3 and 4), and the unhealthy sum being 6 macronutrients matches the 'unhealthy' sum. Hence, one of the three needs to be skipped. Thus, the best cor

- 2 + 3 + 4 = 9
- . 1 + 3 + 4 = 8
- 1+2+4=7

Since 2 + 3 + 4 = 9, allows for maximum number of macronutrients, 9 is the right answer.

Complete the code in the editor below. It must return an integer that represents the maximum $(10^9 + 7)$.

It has the following:

n: an integer that denotes the number of food items

k: an integer that denotes the unhealthy number

Constraints

- $1 \le n \le 2 \times 10^9$
- $1 \le k \le 4 \times 10^{15}$

Input Format For Custom Testing

The first line contains an integer, n, that denotes the number of food items. The second line contains an integer, k, that denotes the unhealthy number. REC-CIS Sample Output 0 Explanation 0 The following sequence of n = 2 food items: Item 1 has 1 macronutrients. 1 + 2 = 3; observe that this is the max total, and having avoided having exactly k = 2 max Sample Input 1 Sample Output 1 Explanation 1 1. Cannot use item 1 because k = 1 and $sum \equiv k$ has to be avoided at any time. Hence, max total is achieved by sum = 0 + 2 = 2. Sample Case 2 Sample Input For Custom Testing Sample Input 2 Sample Output 2 Explanation 2 2 + 3 = 5, is the best case for maximum nutrients. **Answer:** (penalty regime: 0 %) #include<stdio.h> int main() long long int n,t,i,nut=0; scanf("%1ld %1ld",&n,&t); for(i=1;i<=n;i++)</pre>

