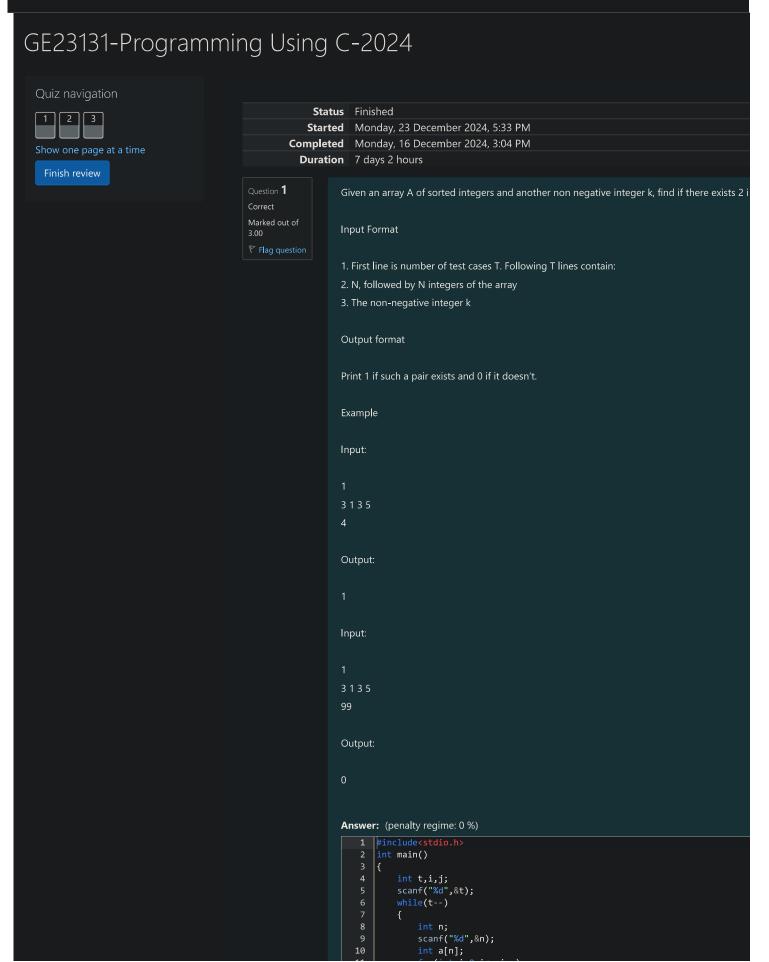
REC-CIS



REC-CIS

Input	Expected	Got
1 3 1 3 5 4	1	1
1 3 1 3 5 99	0	0

Passed all tests!

Question **2**Correct
Marked out of 5.00

F Flag question

Sam loves chocolates and starts buying them on the 1st day of the year. Each day of the year odd, Sam will buy x chocolates; on days when x is even, Sam will not purchase any chocolates

Complete the code in the editor so that for each day Ni (where $1 \le x \le N \le Y$) in array arr, the days 1 through N) is printed on a new line. This is a function-only challenge, so input is handle

Input Format

The program takes an array of integers as a parameter.

The locked code in the editor handles reading the following input from stdin, assembling it in calculate(arr).

The first line of input contains an integer, T (the number of test cases). Each line i of the T sub integer, Ni (the number of days).

Constraints

 $1 \le 1 \le 2 \times 105$ $1 \le N \le 2 \times 106$ $1 \le x \le N \le Y$

Output Format

For each test case, Ti in arr, your calculate method should print the total number of chocolate

REC-CIS

```
3
```

1

2

3

Sample Output 0

.

4

Explanation

Test Case 0: N = 1

Sam buys 1 chocolate on day 1, giving us a total of 1 chocolate. Thus, we print 1 on a new lin

Test Case 1: N = 2

Sam buys 1 chocolate on day 1 and 0 on day 2. This gives us a total of 1 chocolate. Thus, we

Test Case 2: N = 3

Sam buys 1 chocolate on day 1, 0 on day 2, and 3 on day 3. This gives us a total of 4 chocolat

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main ()
{
4    int t;
5    scanf("%d",&t);
6    while(t--)
7    {
8        int n,c=0;
9        scanf("%d",&n);
for(int i=0;i<=n;i++)
11    {
12        if(i%2!=0)c=c+i;
13     }
14    }
15    printf("%d\n",c);
16    }
17 }</pre>
```

Input	Expected	Got	
3 1 2 3	1 1 4	1 1 4	
10 71 100 86 54 40 9 77	1296 2500 1849 729 400 25 1521	1296 2500 1849 729 400 25 1521 25	

REC-CIS Passed all tests! Question 3The number of goals achieved by two football teams in matches in a league is given in the fo Correct Football team A, has played three matches, and has scored { 1, 2, 3 } goals in each match Football team B, has played two matches, and has scored { 2, 4 } goals in each match res Flag question Your task is to compute, for each match of team B, the total number of matches of team to the number of goals scored by team B in that match. In the above case: For 2 goals scored by team B in its first match, team A has 2 matches with scores 1 and For 4 goals scored by team B in its second match, team A has 3 matches with scores 1, 2 Hence, the answer: {2, 3}. Complete the code in the editor below. The program must return an array of m positive integ number of elements nums[j] satisfying nums[j] \leq maxes[i] where $0 \leq j < n$ and $0 \leq i < m$, in the It has the following: nums[nums[0],...nums[n-1]]: first array of positive integers maxes[maxes[0],...maxes[n-1]]: second array of positive integers Constraints $2 \le n, m \le 105$ $1 \le \text{nums}[j] \le 109$, where $0 \le j < n$. $1 \le \text{maxes}[i] \le 109$, where $0 \le i < m$. Input Format For Custom Testing Input from stdin will be processed as follows and passed to the function. The first line contains an integer n, the number of elements in nums. The next n lines each contain an integer describing nums[j] where $0 \le j < n$. The next line contains an integer m, the number of elements in maxes. The next m lines each contain an integer describing maxes[i] where $0 \le i < m$. Sample Case 0 Sample Input 0 4 4

REC-CIS Explanation 0 We are given n = 4, nums = [1, 4, 2, 4], m = 2, and maxes = [3, 5]. 1. For maxes[0] = 3, we have 2 elements in nums (nums[0] = 1 and nums[2] = 2) that are \leq 2. For maxes[1] = 5, we have 4 elements in nums (nums[0] = 1, nums[1] = 4, nums[2] = 2, and Thus, the function returns the array [2, 4] as the answer. Sample Case 1 Sample Input 1 10 4 Sample Output 1 Explanation 1 We are given, n = 5, nums = [2, 10, 5, 4, 8], m = 4, and maxes = [3, 1, 7, 8]. 1. For maxes[0] = 3, we have 1 element in nums (nums[0] = 2) that is \leq maxes[0]. For maxes[1] = 1, there are 0 elements in nums that are \leq maxes[1]. For maxes[2] = 7, we have 3 elements in nums (nums[0] = 2, nums[2] = 5, and nums[3]4. For maxes[3] = 8, we have 4 elements in nums (nums[0] = 2, nums[2] = 5, nums[3] = 4, α Thus, the function returns the array [1, 0, 3, 4] as the answer. **Answer:** (penalty regime: 0 %) #include<stdio.h> int main() **|**{ int s1,s2,ans; scanf("%d",&s1); int ta[s1]; for(int i=0;i<s1;i++)
scanf("%d".&ta[i]):</pre>

