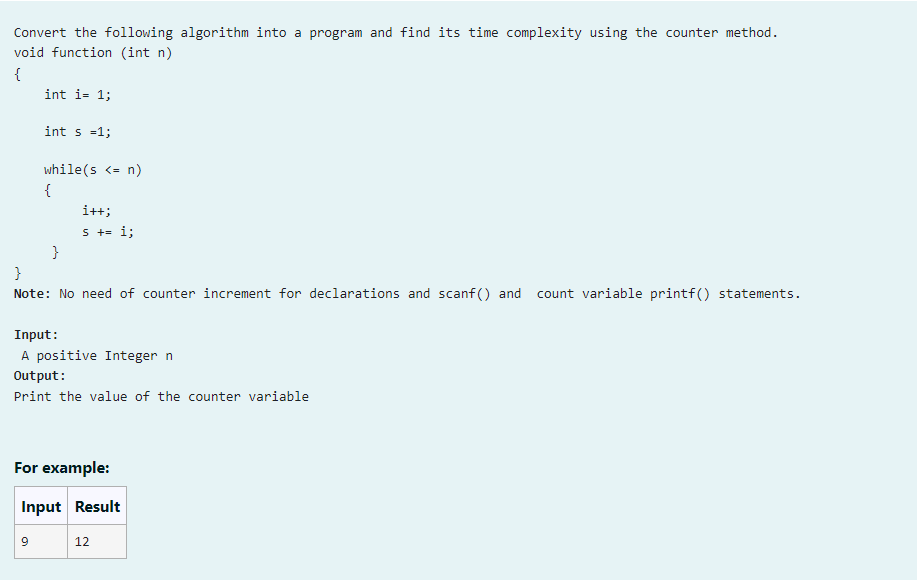
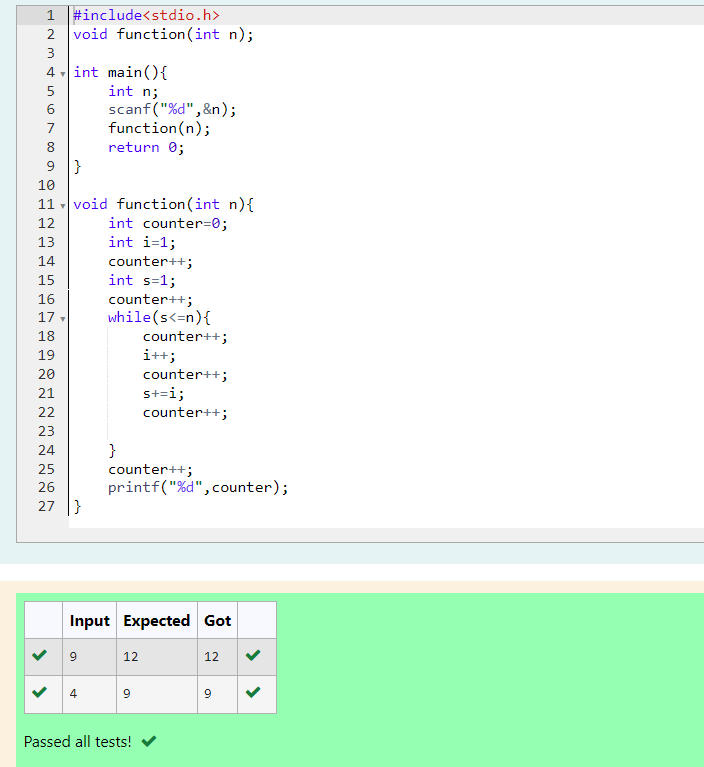
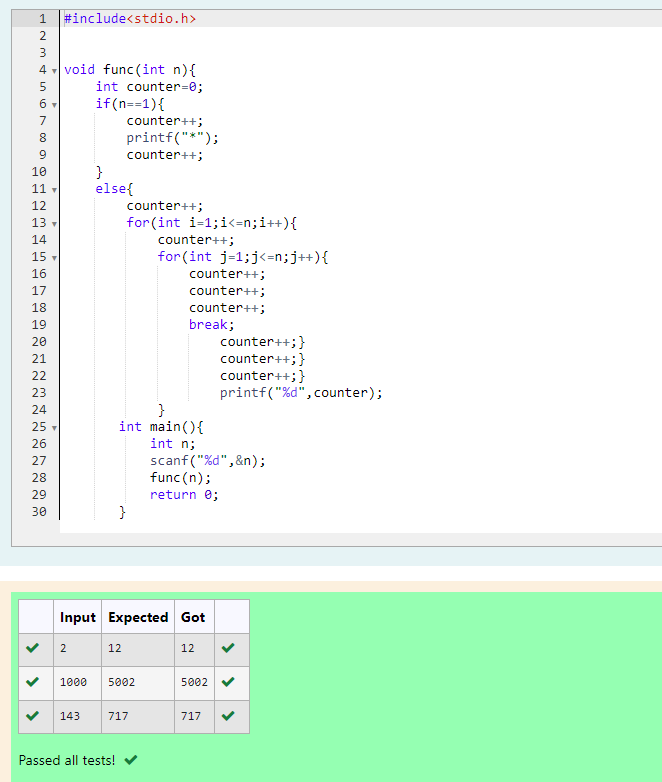
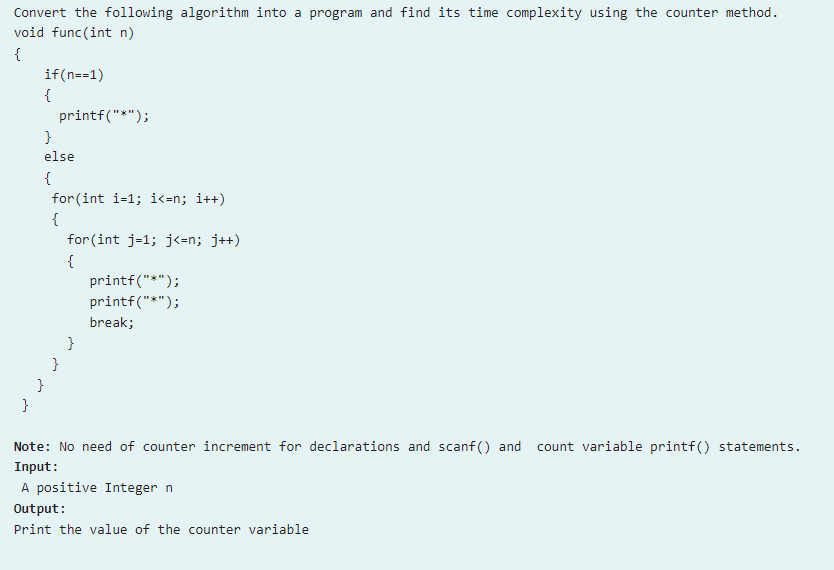
**Design and Analysis of Algorithms**

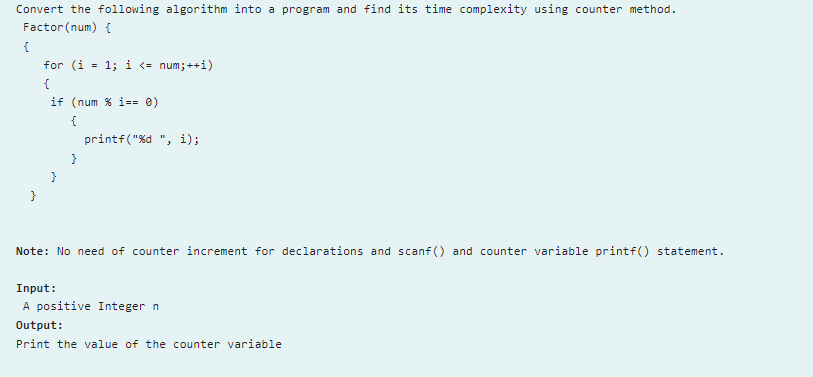
**Moodle Codes Upload**

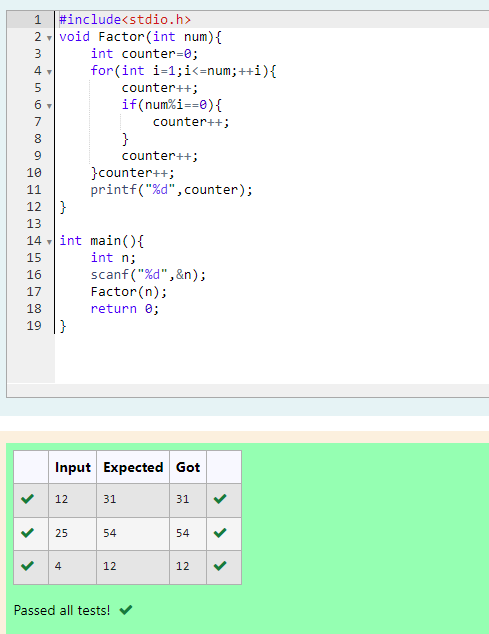
**Finding Time Complexity of Algorithms:**

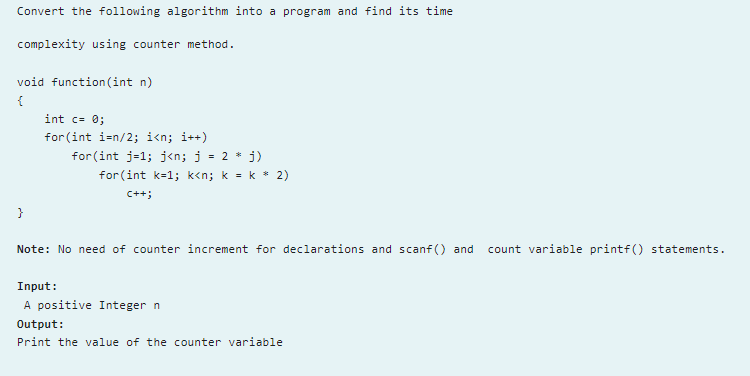
Problem 1: Finding Complexity using Counter Method****

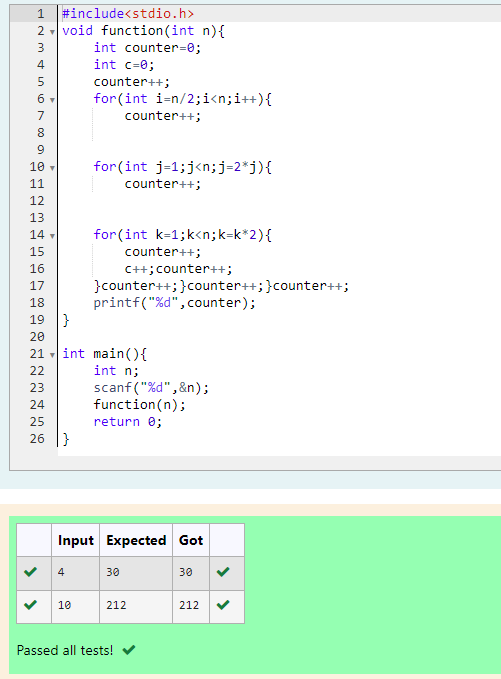
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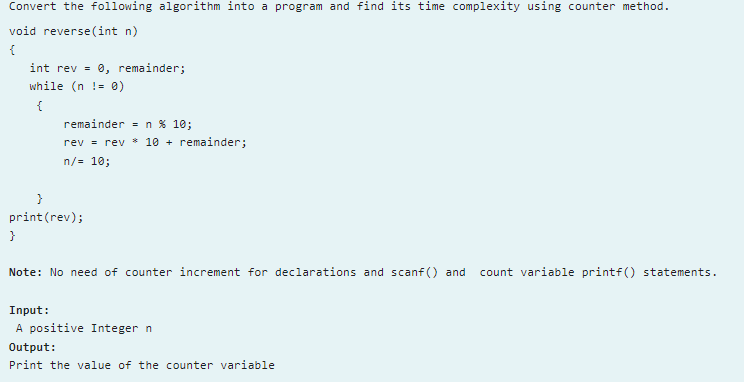
Problem 2: Finding Time Complexity using Counter Method

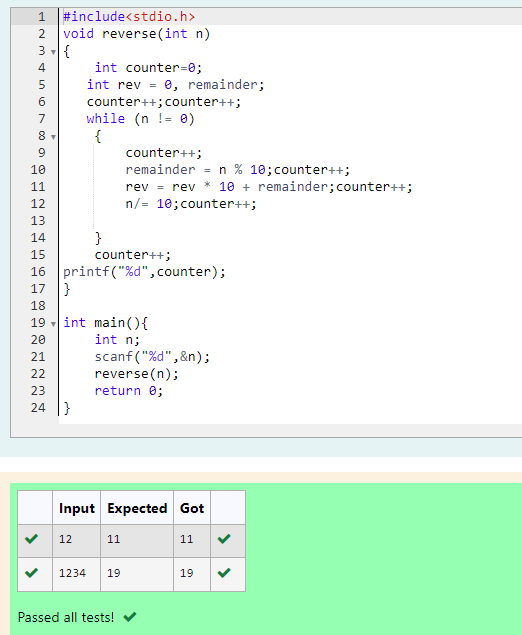
Problem 3: Finding Complexity using Counter Method



Problem 4: Finding Complexity using Counter Method

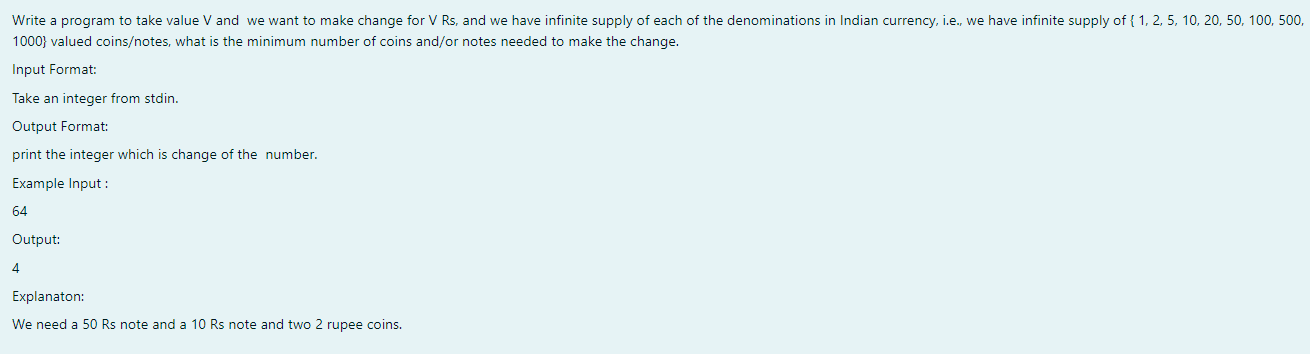
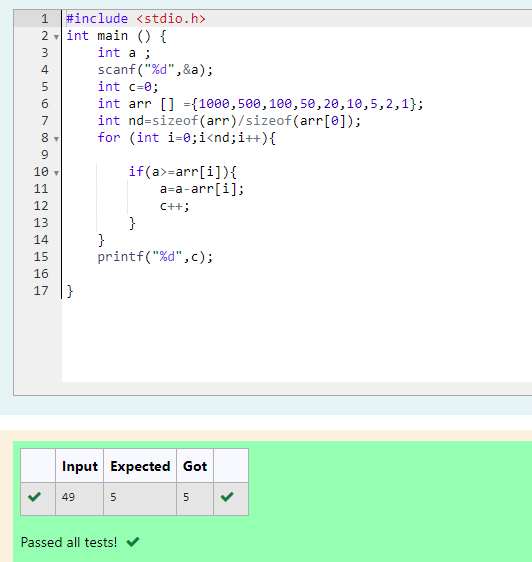


Problem 5: Finding Complexity using Counter Method

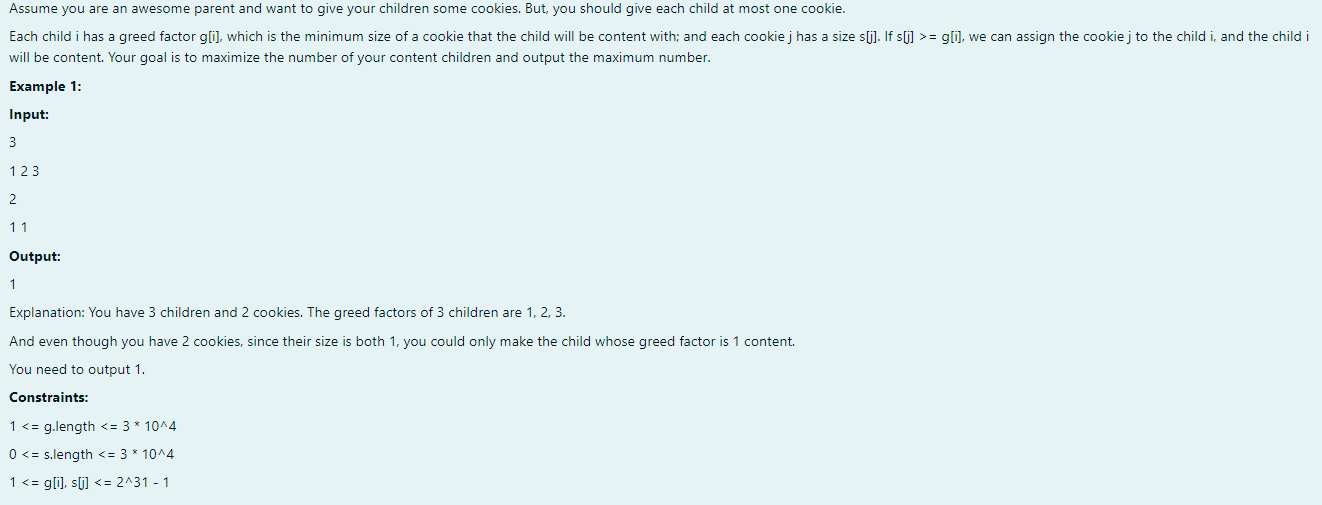
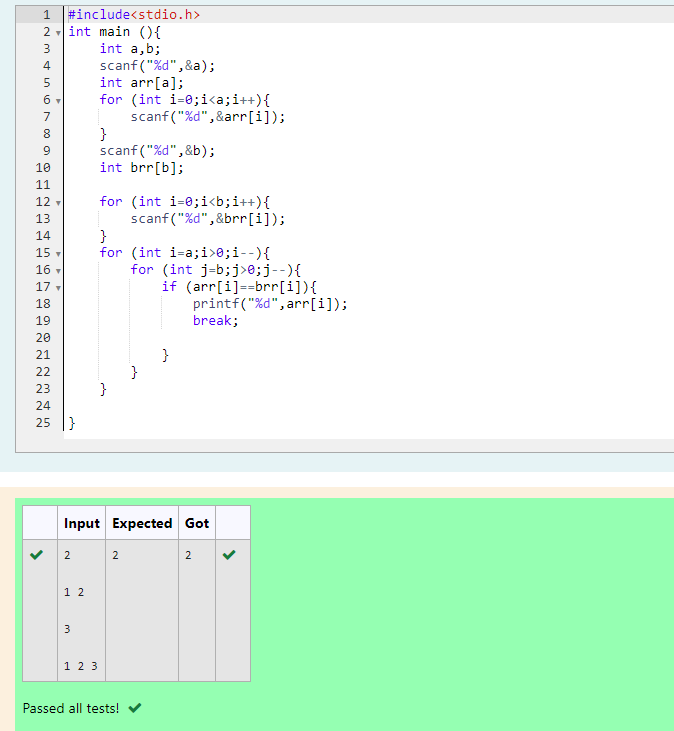


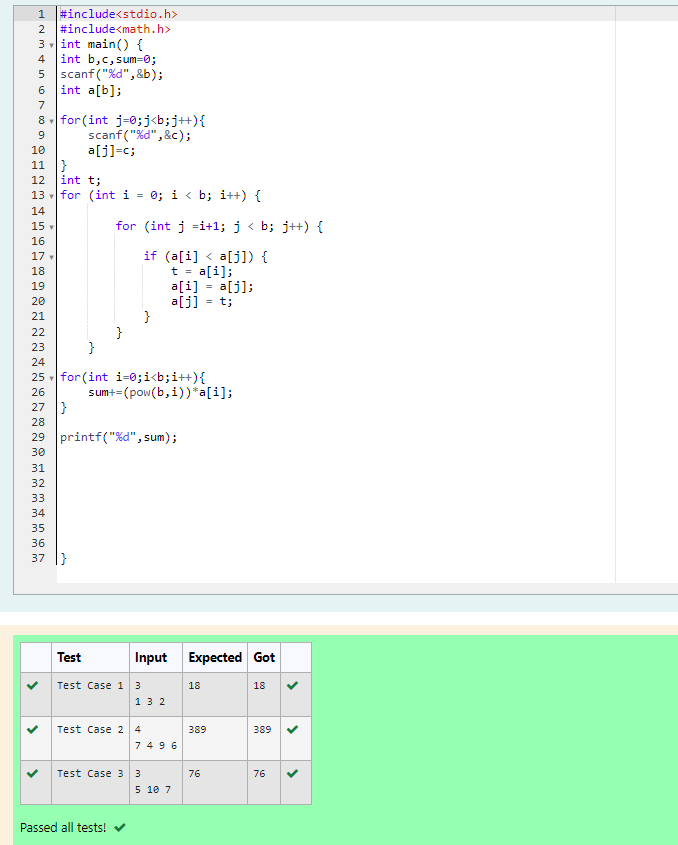
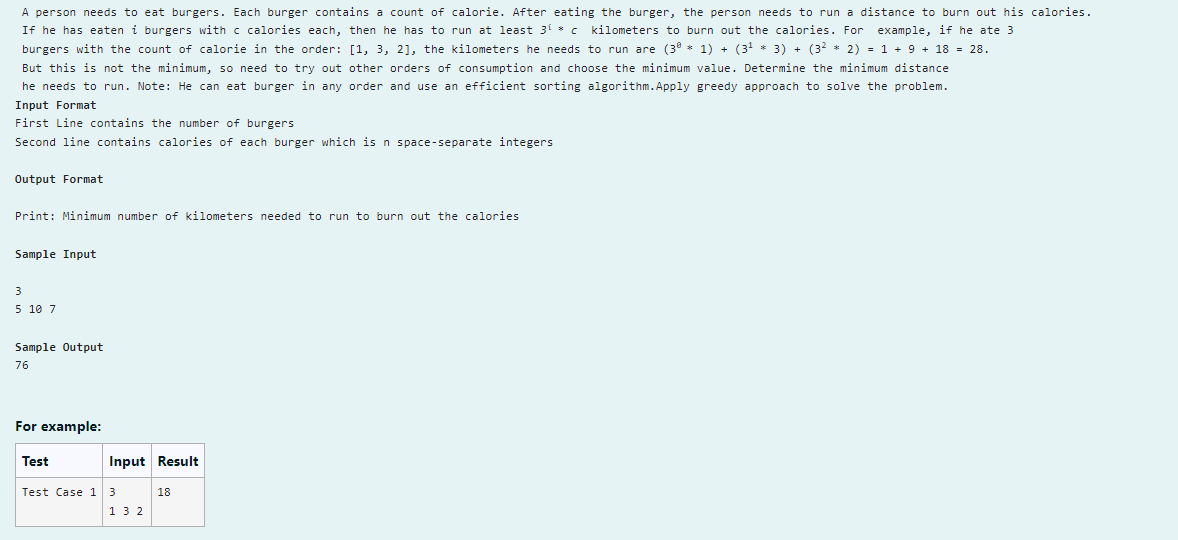
**Greedy Algorithms:**

1-G-Coin Problem:

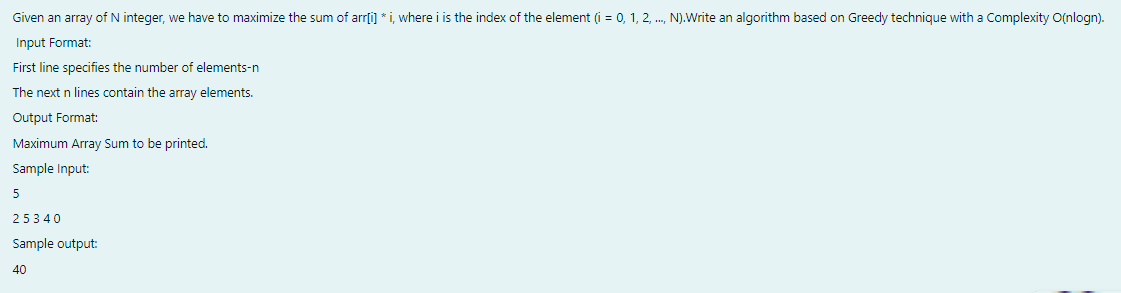
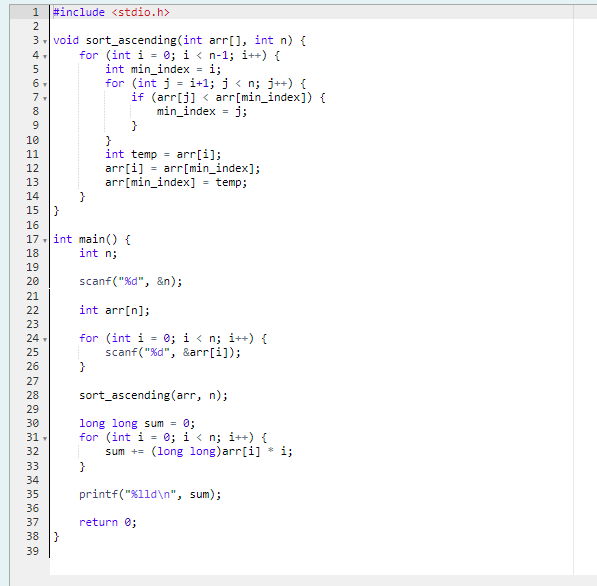
 

2-G-Cookies Problem:

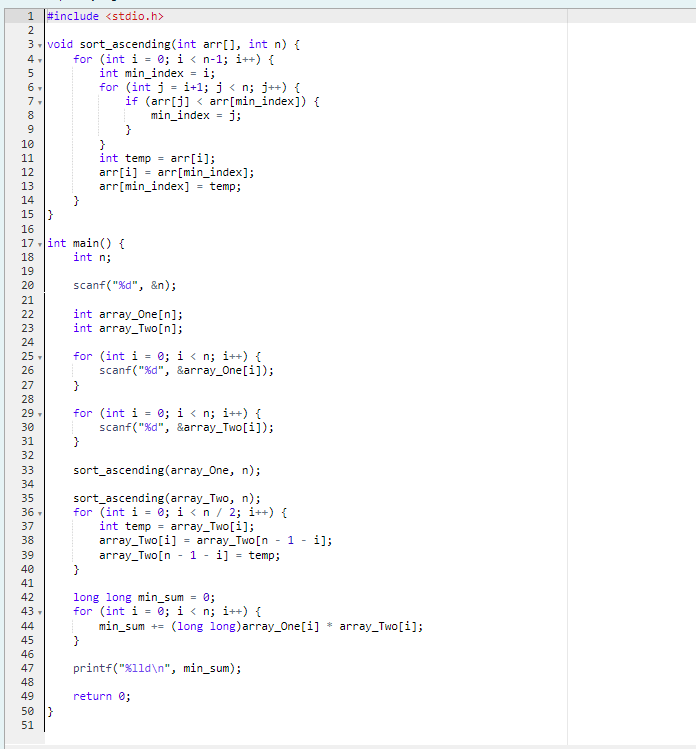
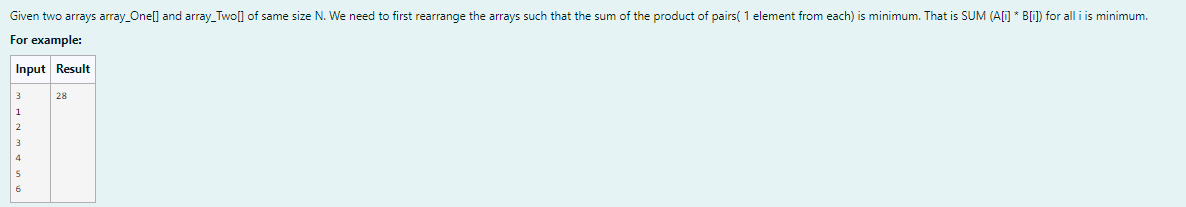
 

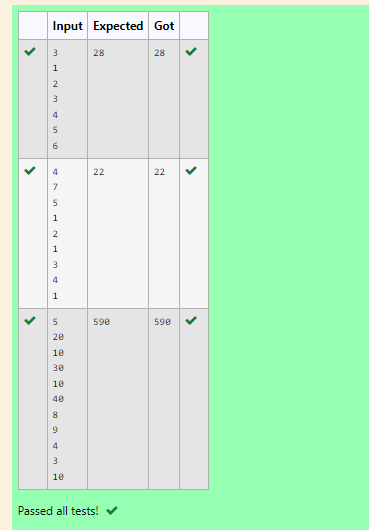
3-G-Burger Problem: 

4-G-Array Sum Max Problem:

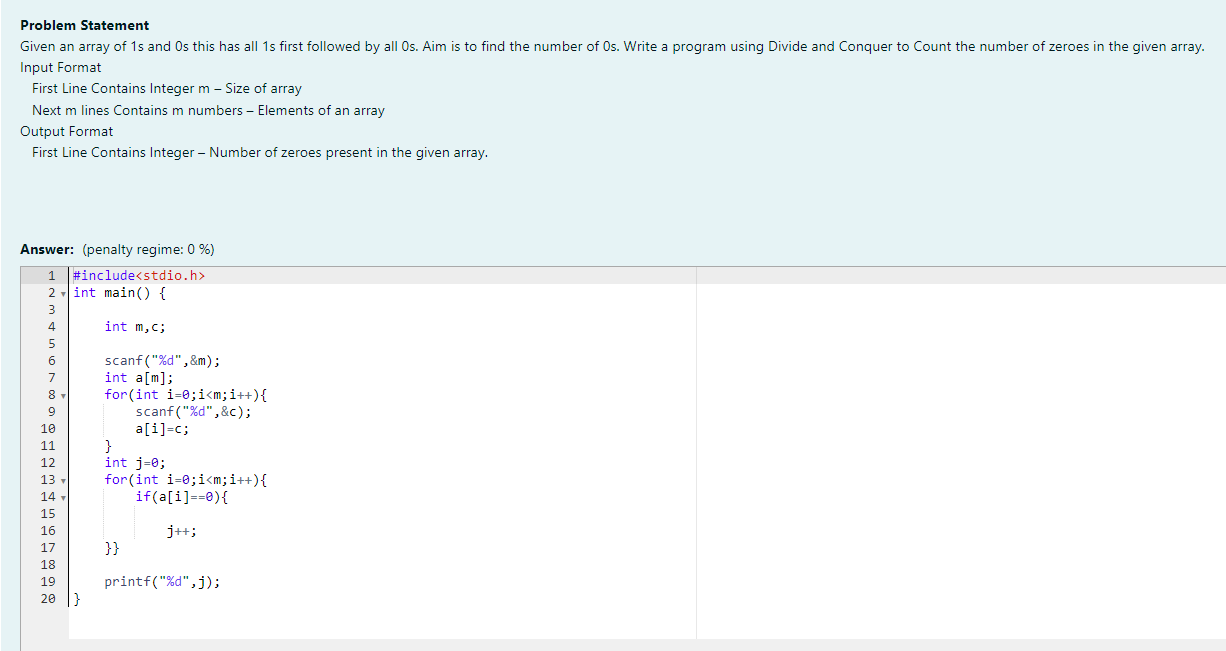
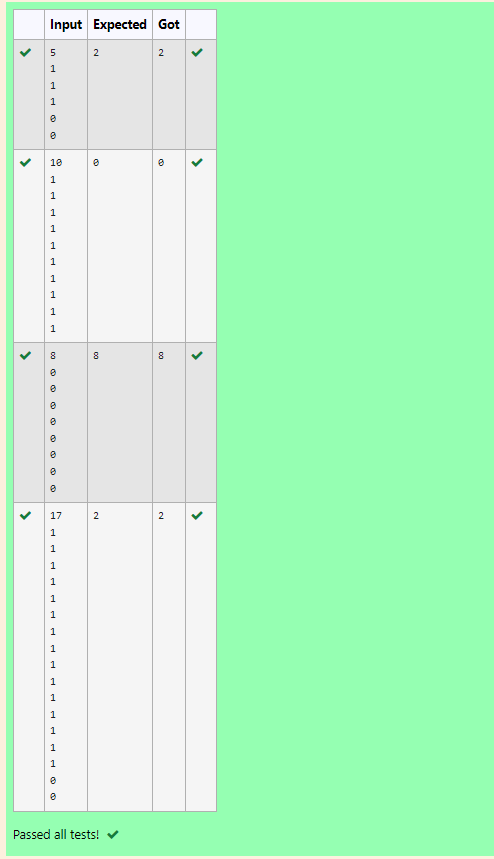
5-G-Products of Array Elements- Minimum

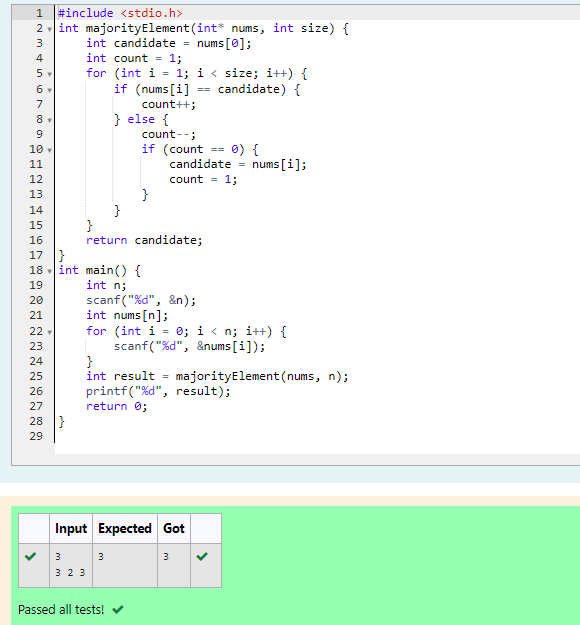
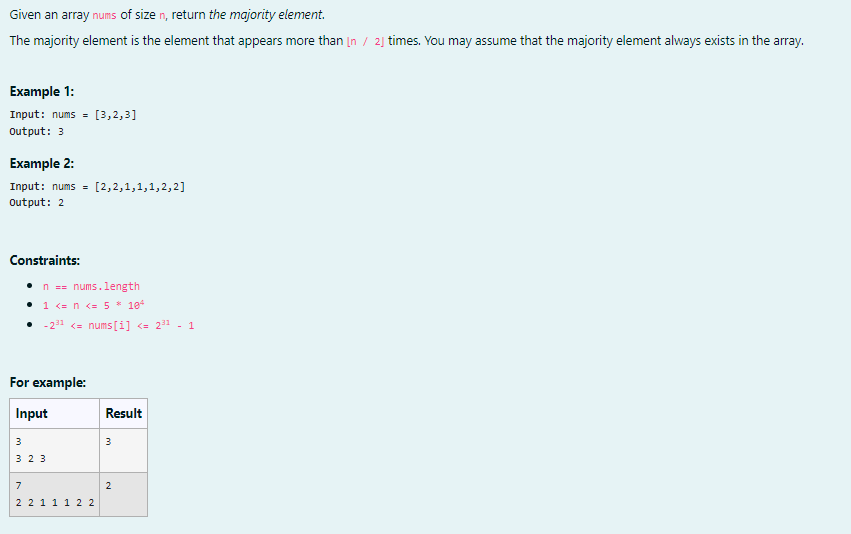




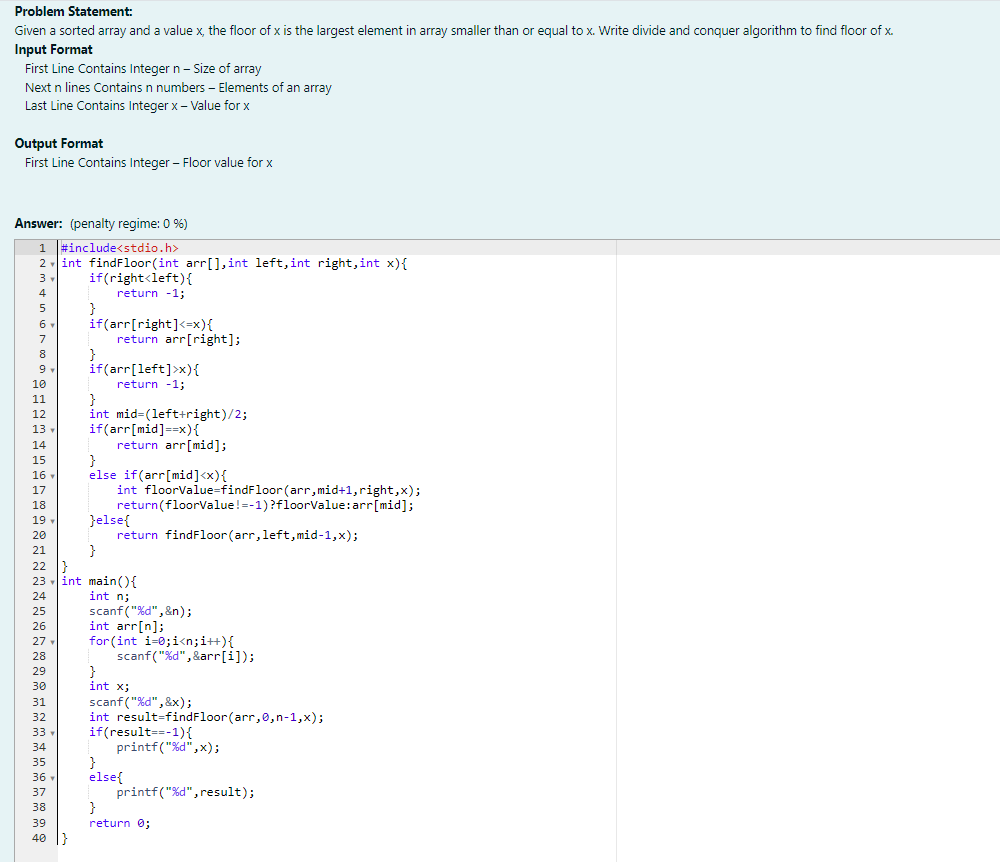
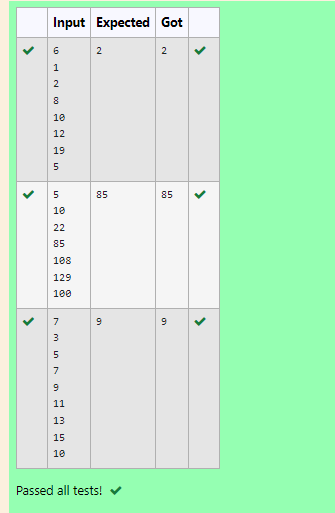
**Divide and Conquer:**

1-Number of zeros in a given array:

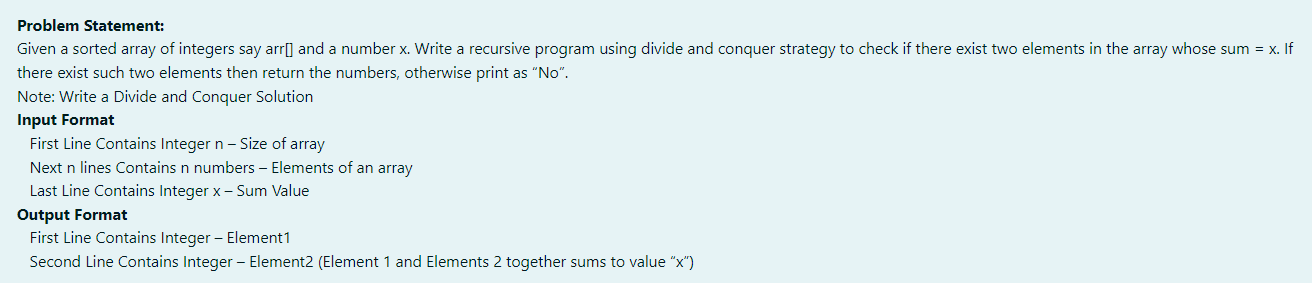
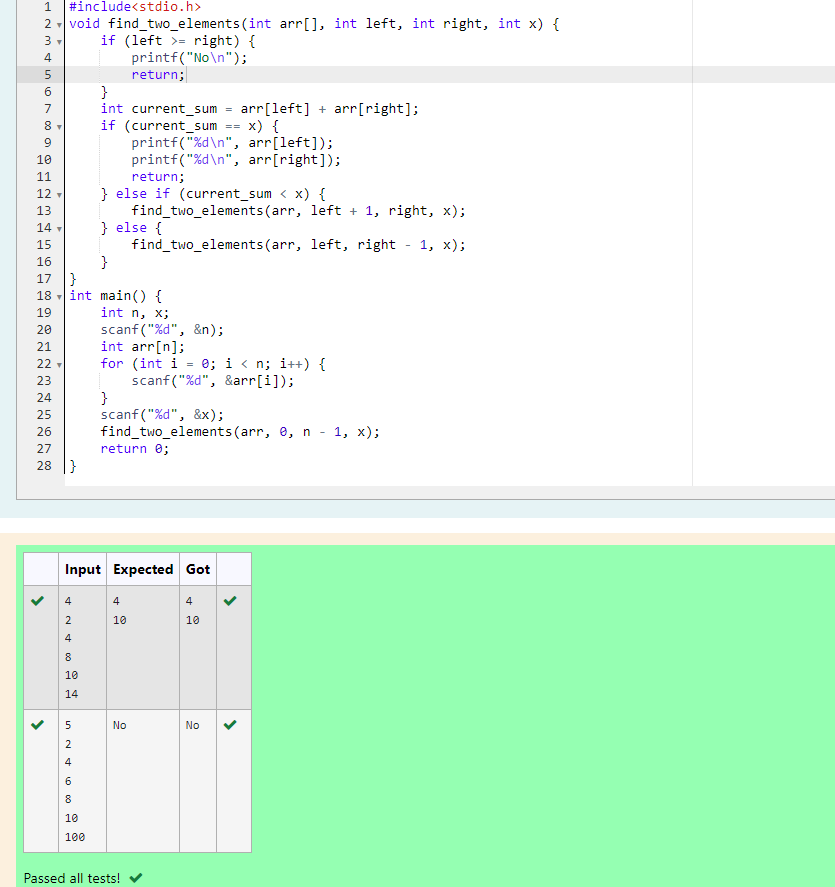
 

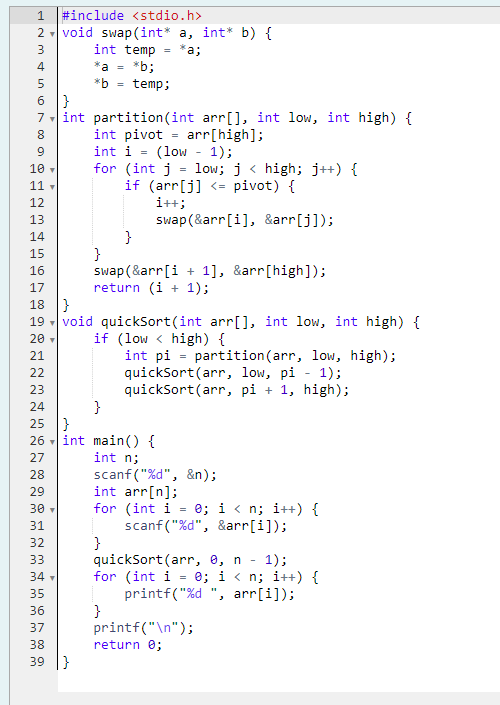
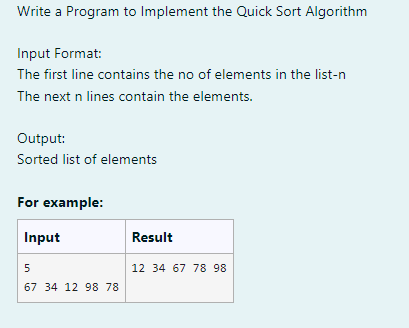
2-Majority Element: 

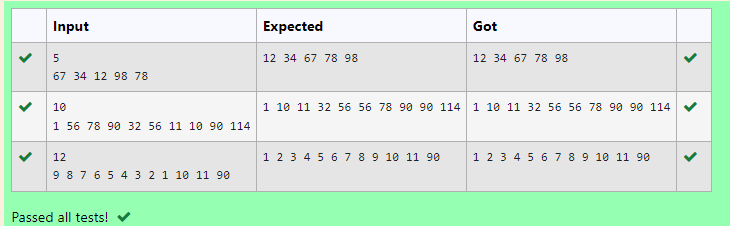
3-Finding Floor Value

4-Two Elements Sum to X

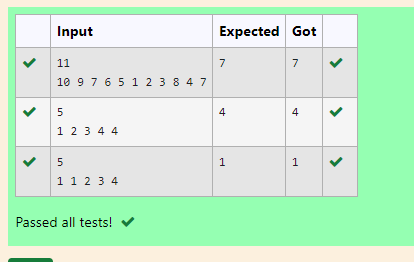
5-Implementation of Quick Sort



**Competitive Programming:**

## 1-Finding Duplicates-O(n^2) Time Complexity,O(1) Space Complexity:

## 

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## 2-Finding Duplicates-O(n) Time Complexity,O(1) Space Complexity:

## 