

Programming Fundamentals and Unit Testing

Regular Exam – 7 July 2024

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1. Nutrition and Caloric Intake Analysis

Write a program that:

- Reads an integer number **N (count of the food items)** from the console.
- For each food item (from first to the last (N)):
 - Read from the console **the caloric value (integer number) of the food item**.
 - **Calculate the cumulative caloric intake after adding each food item.**
 - **Print the cumulative caloric intake on a separate line.**
 - **In case of N equal to or less than zero should print zero as result.**

Example Input / Output

Input	Output	Comments
5 250 300 150 200 100	250 550 700 900 1000	Total food items count: 5 First item: 250 calories Cumulative intake: 250 Second item: 300 calories Cumulative intake: 250 + 300 = 550 Third item: 150 calories Cumulative intake: 550 + 150 = 700 Fourth item: 200 calories Cumulative intake: 700 + 200 = 900 Fifth item: 100 calories Cumulative intake: 900 + 100 = 1000
3 120 400 250	120 520 770	Total food items count: 3 First item: 120 calories Cumulative intake: 120 Second item: 400 calories Cumulative intake: 120 + 400 = 520 Third item: 250 calories Cumulative intake: 520 + 250 = 770
1 0	0	Total food items count: 1 First item: 0 calories Cumulative intake: 0

