

Programming Fundamentals and Unit Testing

Regular Exam – 7 July 2024

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2. Average Stock Price in Range

Write a program that:

- Reads an **array with stock prices** (integer numbers separated with single space) from the **first line of the console**.
- Reads an **integer number N** (start index) from the **second line of the console**.
- Reads an **integer number M** (end index) from the **third line of the console**.
- Finds the **average stock price in the array from start index to the end index** (both indexes are inclusive).
- **Prints the calculated average stock price, formatted to the second digit after the decimal point.**

Hint: Think about the division. You should get a real (double) number for a result.

Example Input / Output

Input	Output	Comments
15 20 35 40 25 30 1 4	30.00	Start index is 1. End index is 4. Stock prices between index 1 and index 4 are: 20, 35, 40, 25. Average stock price is: $(20 + 35 + 40 + 25) / 4 = 30.00$.
120 85 90 150 110 130 0 3	111.25	Start index is 0. End index is 3. Stock prices between index 0 and index 3 are: 120, 85, 90, 150. Average stock price is: $(120 + 85 + 90 + 150) / 4 = 111.25$.