# Programming Fundamentals and Unit Testing

# Regular Exam – 2 March 2024

Submit your solution here: <https://judge.softuni.org/Contests/Compete/Index/4551>

# 2. Max / Min Number in Range

Write a program that:

* Reads an **array with 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
* Find the **max number** in the array from **start index to the end index (both indexes are inclusive)**
* Find the **min number** in the array from **start index to the end index (both indexes are inclusive)**
* Print the **sum of the found max and min number in the array**

### Example Input / Output

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 1 2 3 4 5 6  1  4 | 7 | Start index is 1.  End index is 4.  Numbers between index 1 and index 4 are: 2, 3, 4, 5  Max number is: 5  Min number is: 2  Sum of the max and min number is: 5 + 2 = 7 |
| 19 10 93 56 87  0  3 | 103 | Start index is 0.  End index is 3.  Numbers between index 0 and index 3 are: 19, 10, 93, 56  Max number is: 93  Min number is: 10  Sum of the max and min number is: 93 + 10 = 103 |