

 Week-12-Coding

✓ Done

✓ Assessment-12-Recursive Functions

✓ Week-13-Passing Arrays and Strings to Functions

 Week-13-Passing Arrays and Strings to Functions

✓ Done


✓ Assessment-13-Passing Arrays and Strings to Functions

✓ Week-14-Structures and Unions

 Week-14-Structures and Unions

✓ Done

✓ Week-15-Pointers

 Week-15-Pointers

✓ Done

Code navigation



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Header

Finished

Started

Created: 12 January 2025, 7:08 PM

Completed

Created: 12 January 2025, 8:08 PM

Duration

1 hour

Question 1

1 point

7.75 points

Given an array of numbers, find the index of the smallest array element (the pivot), for which the sum of all elements to the left and to the right are equal. The array may not be reordered.

Example

arr=[12,3,4,6]

- The sum of the first three elements, 1+2+3=6. The value of the last element is 6.
- Using zero based indexing, arr[3] is 6. It is placed between the two subarrays.
- The index of the pivot is 3.

Function Description

Complete the function `findPivotIndex` in the editor below.

`findPivotIndex` has the following parameter(s):

- `arr` `arr[]`, an array of integers

Returns

`int` an integer representing the index of the pivot

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq arr[i] \leq 2 \times 10^9$ where $0 \leq i < n$
- It is guaranteed that a solution always exists.

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 size of the array `arr`.

Each of the next `n` lines contains an integer `arr[i]`, where $0 \leq i < n$.

Sample Case 0

Sample Input 0

```
5
12
3
4
6
6
```

STDIN Function Parameters

```
5
arr=[12,3,4,6,6]
1
arr=[12,3,4,6,6]
2
3
4
6
6
```

Sample Output 0

```
3
```

Explanation 0

- The sum of the first two elements, 1+2=3. The value of the last element is 3.
- Using zero based indexing, arr[3] is 6. It is placed between the two subarrays.
- The index of the pivot is 3.

Sample Case 1

Sample Input 1

```
5
12
3
4
6
6
```

STDIN Function Parameters

```
5
arr=[12,3,4,6,6]
1
arr=[12,3,4,6,6]
2
3
4
6
6
```

Sample Output 1

```
1
```

Explanation 1

- The first and last elements are equal to 1.
- Using zero based indexing, arr[1] is 2. It is placed between the two subarrays.
- The index of the pivot is 1.

Answer: `findPivotIndex` (0/0)

Best answer

```
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
```

Test

Expected Out

Got

✓

arr=[12,3,4,6,6]

1

3

✓

✓

arr=[12,3,4,6,6]

1

3

✓

Passed all tests: ✓

Question 2

1 point

7.75 points

Calculate the sum of an array of integers.

Example

numbers = [1, 14, 6, 15, 10]

The sum is 1+14+6+15+10 = 46.

Function Description

Complete the function `sumArray` in the editor below.

`sumArray` has the following parameter(s):

- `numbers` `arr`, an array of integers

Returns

`int` an integer sum of the numbers array

Constraints

- $1 \leq n \leq 10^5$
- $1 \leq numbers[i] \leq 10^9$

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 size of the array `numbers`.

Each of the next `n` lines contains an integer `numbers[i]`, where $0 \leq i < n$.

Sample Case 0

Sample Input 0

```
5
1
14
6
15
10
```

STDIN Function

```
5
numbers=[1,14,6,15,10]
1
numbers=[1,14,6,15,10]
2
3
4
5
6
15
10
```

Sample Output 0

```
46
```

Explanation 0

$1 + 14 + 6 + 15 + 10 = 46$

Sample Case 1

Sample Input 1

```
2
2
3
```

STDIN Function

```
2
numbers=[2,3]
1
numbers=[2,3]
2
3
```

Sample Output 1

```
5
```

Explanation 1

$2 + 3 = 5$

Sample Case 2

Sample Input 2

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 2

```
55
```

Explanation 2

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 3

Sample Input 3

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 3

```
55
```

Explanation 3

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 4

Sample Input 4

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 4

```
55
```

Explanation 4

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 5

Sample Input 5

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 5

```
55
```

Explanation 5

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 6

Sample Input 6

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 6

```
55
```

Explanation 6

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 7

Sample Input 7

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 7

```
55
```

Explanation 7

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 8

Sample Input 8

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 8

```
55
```

Explanation 8

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 9

Sample Input 9

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 9

```
55
```

Explanation 9

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 10

Sample Input 10

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 10

```
55
```

Explanation 10

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 11

Sample Input 11

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 11

```
55
```

Explanation 11

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 12

Sample Input 12

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 12

```
55
```

Explanation 12

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 13

Sample Input 13

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 13

```
55
```

Explanation 13

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 14

Sample Input 14

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 14

```
55
```

Explanation 14

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 15

Sample Input 15

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 15

```
55
```

Explanation 15

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 16

Sample Input 16

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 16

```
55
```

Explanation 16

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 17

Sample Input 17

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 17

```
55
```

Explanation 17

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 18

Sample Input 18

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 18

```
55
```

Explanation 18

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 19

Sample Input 19

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 19

```
55
```

Explanation 19

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 20

Sample Input 20

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 20

```
55
```

Explanation 20

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 21

Sample Input 21

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 21

```
55
```

Explanation 21

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 22

Sample Input 22

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 22

```
55
```

Explanation 22

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 23

Sample Input 23

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 23

```
55
```

Explanation 23

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 24

Sample Input 24

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 24

```
55
```

Explanation 24

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 25

Sample Input 25

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 25

```
55
```

Explanation 25

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 26

Sample Input 26

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 26

```
55
```

Explanation 26

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 27

Sample Input 27

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 27

```
55
```

Explanation 27

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 28

Sample Input 28

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 28

```
55
```

Explanation 28

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 29

Sample Input 29

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 29

```
55
```

Explanation 29

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 30

Sample Input 30

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 30

```
55
```

Explanation 30

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 31

Sample Input 31

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 31

```
55
```

Explanation 31

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 32

Sample Input 32

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 32

```
55
```

Explanation 32

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 33

Sample Input 33

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 33

```
55
```

Explanation 33

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 34

Sample Input 34

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 34

```
55
```

Explanation 34

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 35

Sample Input 35

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 35

```
55
```

Explanation 35

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 36

Sample Input 36

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 36

```
55
```

Explanation 36

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 37

Sample Input 37

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 37

```
55
```

Explanation 37

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 38

Sample Input 38

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 38

```
55
```

Explanation 38

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 39

Sample Input 39

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 39

```
55
```

Explanation 39

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 40

Sample Input 40

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 40

```
55
```

Explanation 40

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 41

Sample Input 41

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 41

```
55
```

Explanation 41

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 42

Sample Input 42

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 42

```
55
```

Explanation 42

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 43

Sample Input 43

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 43

```
55
```

Explanation 43

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 44

Sample Input 44

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 44

```
55
```

Explanation 44

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 45

Sample Input 45

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 45

```
55
```

Explanation 45

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 46

Sample Input 46

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 46

```
55
```

Explanation 46

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 47

Sample Input 47

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 47

```
55
```

Explanation 47

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 48

Sample Input 48

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 48

```
55
```

Explanation 48

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 49

Sample Input 49

```
10
1
2
3
4
5
6
7
8
9
10
```

STDIN Function

```
10
numbers=[1,2,3,4,5,6,7,8,9,10]
1
numbers=[1,2,3,4,5,6,7,8,9,10]
2
3
4
5
6
7
8
9
10
```

Sample Output 49

```
55
```

Explanation 49

$1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10 = 55$

Sample Case 50

Sample Input 50

```
10
1
2
3
4
5

```