



Question

A programmer has been given a set of data stored in an array.

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Write an algorithm in pseudocode which will add the first and last item of the array and display the result (array index starts at zero).

Answer



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Answer

There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

- Access the 1st item in the array and store in a variable
- Access the 4th item in the array and store in a variable
- Add the contents of each variable together
- Output the result

EXAMPLE ALGORITHM:

```
array = [34, 54, 22, 32]
first_num = array[0]
lengthOfArray = array.length
second_num = array[lengthOfArray - 1]
answer = first_num + second_num
print(answer)
```