BACK

arrayMaxConsecutiveSum

DESCRIPTION SOLUTIONS 6803 COMMENTS 47 CODEWRITING SCORE: 300/300

Given array of integers, find the maximal possible sum of some of its `k` consecutive elements.

Example

For `inputArray = [2, 3, 5, 1, 6]` and `k = 2`, the output should be `arrayMaxConsecutiveSum(inputArray, k) = 8`.
All possible sums of `2` consecutive elements are:

- `2 + 3 = 5`;
- `3 + 5 = 8`;
- `5 + 1 = 6`;
- `1 + 6 = 7`.

Thus, the answer is `8`.

Input/Output

- **[execution time limit] 4 seconds (js)**
- **[input] array.integer inputArray**

  Array of positive integers.

  Guaranteed constraints:
  $3 \le inputArray.length \le 10^5$,
  $1 \le inputArray[i] \le 1000$.

- **[input] integer k**

  An integer (not greater than the length of `inputArray`).

  Guaranteed constraints:
  $1 \le k \le inputArray.length$.

- **[output] integer**

  The maximal possible sum.

[JavaScript (ES6)] Syntax Tips

```
// Prints help message to the console
// Returns a string
```