



MORNING STANDEES

FRIDAY MARCH 4, 2022



TODAY'S SCHEDULE!!

- 9:00AM 9:05AM morning standees!!
- 9:05AM 9:15AM hack hour solution: get-all-products
- 9:15AM 10:00AM hack hour: max-subarray
- 10:00AM 8:00PM open source product time!!
- 12:00PM 12:30PM lecture: github cleaning
- 12:30PM 1:30PM LUNCH!!!!!!!!!!!!
- 1:30PM 1:35PM midday standees!!
- 1:35PM 2:00PM mentor/mentee session
- 5:15PM 5:30PM tech talks round 1
- 5:30PM 6:30PM DINNNERRRRRR!!!!!!!
- 6:30PM 6:45PM tech talks round 2
- 10:00PM FIRST DRAFT OF RESUMES ARE DUE!!!















HACK HOUR SOLUTION:



get-all-products

INPUT

OUTPUT

Given an array of at least two integers (which may be positive, negative, or zero), return an array of all the possible products made by multiplying all but one number. In other words, find all the products of multiplying any array.length - 1 numbers in the array.

ARRAY = [1,7,3,4]

```
const getAllProducts = array => {
    let zeroCount = 0:
    let products = 1;
    let indexAtZero;
    const zeroArray = new Array(array.length).fill(0);
    for (let i = 0; i < array.length; i++) {
        if (array[i] === 0) {
            zeroCount++:
            indexAtZero = i;
            if (zeroCount === 2) break;
        else {
            products *= array[i];
    if (zeroCount !== 2) {
        if (zeroCount === 0) {
            return array.map(element => products / element);
        } else {
            zeroArray[indexAtZero] = products;
            return zeroArray
     else {
        return zeroArray;
```

```
Zero Count = D
         array[0]:1
i. = 0
        products = 1 x1 = 1
                             Zero Count = 0
          array[1]=7
i = 1
        products = 1x7 = 7
                            Zero Count = D
         array[2]:3
i. = 2
       products = 7 +3 = 21
                           Zero Count = 0
         array[3] = 4
i. = 3
       products = 21 x4 = 84
        84,12,28,21
```

ARRAY = [2,0,5]

```
const getAllProducts = array => {
    let zeroCount = 0:
    let products = 1;
    let indexAtZero;
    const zeroArray = new Array(array.length).fill(0);
    for (let i = 0; i < array.length; i++) {
        if (array[i] === 0) {
            zeroCount++:
            indexAtZero = i:
            if (zeroCount === 2) break;
        else {
            products *= array[i];
    if (zeroCount !== 2) {
        if (zeroCount === 0) {
            return array.map(element => products / element);
        } else {
            zeroArray[indexAtZero] = products;
            return zeroArray
     else {
        return zeroArray;
```

```
Zero Count = 0
         array[0]:2
i = 0
       products = 1x2=2 index Atzero=
                            Zero Count = 1
         array[1] = 0
i. = \
                            index Atzero = 1
        products = 2
                            Zero Count = )
         array[2]:5
i = 2
       products = 2x5=10 index Atzero=1
```

ARRAY = [0,48,0]

```
const getAllProducts = array => {
    let zeroCount = 0:
    let products = 1;
    let indexAtZero;
    const zeroArray = new Array(array.length).fill(0);
    for (let i = 0; i < array.length; i++) {
        if (array[i] === 0) {
            zeroCount++:
            indexAtZero = i;
            if (zeroCount === 2) break;
        else {
            products *= array[i];
    if (zeroCount !== 2) {
        if (zeroCount === 0) {
            return array.map(element => products / element);
        } else {
            zeroArray[indexAtZero] = products;
            return zeroArray
     else {
        return zeroArray;
```

```
Zero Count = 1
          array[0]: 0
i = 0
                             index Atzero = 0
        products = 1
                              Zero Count = 1
          array[1] = 48
i. = \
        products = 1x42 = 48 index Atzero = 0
                              Zero Count = 1
          array[2] = 0
i = 2
                             index Atzero = 2
        products =
```

























