

-  Description
-  Solution
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628. Maximum Product of Three Numbers

Easy

 2266  497  Add to List  Share

Given an integer array `nums`, find three numbers whose product is maximum and return the maximum product.

Example 1:

Input: `nums = [1,2,3]`

Output: 6

Example 2:

Input: `nums = [1,2,3,4]`

Output: 24

Example 3:

Input: `nums = [-1,-2,-3]`

Output: -6

Constraints:

- `3 <= nums.length <= 104`
- `-1000 <= nums[i] <= 1000`

Accepted

185,717

Submissions

397,593

Seen this question in a real interview before?

Yes

No

Companies 

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Related Topics

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Array Math Sorting

i C++

Autocomplete


i {} ↺ ⚙️ []

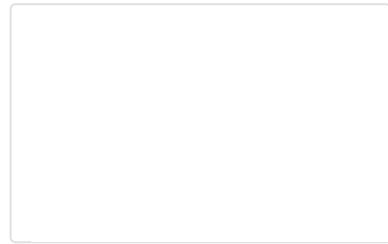
```
1 class Solution {
2 public:
3     int maximumProduct(vector<int>& nums) {
4         sort(nums.begin(),nums.end());
5         return max((nums[nums.size()-1])*
6                     (nums[nums.size()-2])*
7                     (nums[nums.size()-3]),
8                     ((nums[nums.size()-1])*
9                     (nums[0])*
10                    (nums[1])));
11     }
12 };
```

Your previous code was restored from your local storage. [Reset to default](#)

Testcase

Run Code Result

Debugger 



Accepted Runtime: 6 ms?

Your input

[1,2,3]

Output

6

☐

Diff

Expected

6

Console ▾

[Use Example Testcases](#)

? ▾

► Run Code
^

Submit