Problem Editorial Submissions Comments

All divisors of a Number

Difficulty: **Easy** Accuracy: **46.73%** Submissions: **100K+** Points: **2** Average Time: **10m**

Given an integer **n,** print all the divisors of N in the **ascending** order.

Examples:

Input : n = 20
Output: 1 2 4 5 10 20
Explanation: 20 is completely divisible by 1, 2, 4, 5, 10 and 20.

Input: n = 21191
Output: 1 21191
Explanation: As 21191 is a prime number, it has only 2 factors(1 and the number itself).

Constraints:
$1 \leq n \leq 10^9$

Try more examples

Expected Complexities

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```python
#User function Template for python3

class Solution:
    def print_divisors(self, n):
        small = []
        large = []

        for i in range(1, int(n**0.
            if n % i == 0:
                small.append(i)
                if i != n // i:
                    large.append(n // i)

        for i in small:
            print(i, end=" ")
        for i in reversed(large):
            print(i, end=" ")
```