https://course.acciojob.com/idle?question=37687b64-5577-4a0d-a55a-30c17ebddb66

- EASY
- Max Score: 30 Points
-

Prime Factors

Given the number `n`, print its prime factors as many times as they occur in ascending order.

Input Format

Input consists of single line which has the integer `n`.

Output Format

print prime factorisation of `n` in a single line in space separated manner.

Example 1

Input

```
15
```

Output

```
3 5
```

Explanation

3,5 are the prime factors of 15. 3*5 =15.

Example 2

Input

```
24
```

Output

```
2 2 2 3
```

Explanation

2 * 2 * 2 * 3= 24.

Constraints

1 <= n <= 10^9

Topic Tags

- **Math**
- **Basics**

My code

```
// in java
import java.util.*;

public class Main {
	static void fun(int n)
	{
		long t=n;
		//boolean t=true;
		int i=2;
		while(n>=i)
			{
				if(n%i==0)
```

```
                        {
                                System.out.print(i+" ");
                                        n=n/i;
                                  i=1;;

                        }
                        i++;
                }

        }
    public static void main(String[] args) {

        // Write your code here
                Scanner s=new Scanner(System.in);
                int n=s.nextInt();
                fun(n);

    }
}
```