Prime Factor in C++

```cpp
#include <iostream>
using namespace std;

class PrimeFactors {
public:
    static void main() {
        int n = 26;
        int n2 = 2;

        while (n2 * n2 <= n) {
            while (n % n2 == 0) {
                n = n / n2;
                cout << n2 << " ";
            }
            n2++;
        }

        if (n != 1) {
            cout << n << " ";
        }
    }
};

int main() {
    PrimeFactors::main();
    return 0;
}
```

Print all **prime factors** of n = 26.

🔴 **Logic:**

- Start with n2 = 2.
- While n2 * n2 <= n, divide n by n2 as long as it's divisible.
- Increment n2 and repeat.
- After the loop, if n != 1, print the remaining prime factor.

📋 **Dry Run Table:**

Step	n2	n	n % n2 == 0	Action	Output
1	2	26	Yes	n = 26 / 2 = 13	2
2	2	13	No	n2++	
3	3	13	No	n2++	
4	4	13	No	n2++	
5	5	13	No	n2++	
6	6	13	6*6 > 13 → stop		
7	-	13	-	n != 1 → print n	13

🖥 **Final Output:**

2 13

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