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| **Prime Factor in C++** | |
| #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 |
| 2 13 | |