

# Find the smallest factor of a value

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/*  
C#: The Complete Reference  
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*/  
// Find the smallest factor of a value.  
  
using System;  
  
public class FindSmallestFactor {  
    public static void Main() {  
        int factor = 1;  
        int num = 1000;  
  
        for(int i=2; i < num/2; i++) { if((num%i) == 0) { factor = i;  
            break; // stop loop when factor is found } }  
        Console.WriteLine("Smallest factor is " + factor); } }  
[/csharp]
```