

Find the smallest factor of a value

```
/*
C#: The Complete Reference
by Herbert Schildt

Publisher: Osborne/McGraw-Hill (March 8, 2002)
ISBN: 0072134852
*/
// 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]
```