

Extension method for integer

```
using System;

static class MainClass {
    public static int ConvertToBase(this int i, int
baseToConvertTo) {
        if (baseToConvertTo < 2 || baseToConvertTo > 10)
            throw new ArgumentException("Value cannot be converted to base
" + baseToConvertTo.ToString());
        int result = 0;
        int iterations = 0;
        do {
            int nextDigit = i % baseToConvertTo;
            result += nextDigit * (int)Math.Pow(10, iterations);
            iterations++;
            i /= baseToConvertTo;
        }
        while (i != 0);
        return result;
    }
    static void Main() {
        try {
            int x = 591;
            for (int i = 2; i <= 10; i++) { Console.WriteLine("{0} in base
{1} is {2}", x, i, x.ConvertToBase(i)); } } catch (Exception
ex) { Console.WriteLine("Exception: {0}", ex.Message); } }
[/csharp]
```