

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]
```