CS2 Iterators

using System;

using System.Collections;

Iterators

class Iterators

{

public IEnumerator GetEnumerator()

{

//Less than 100

for (int i = 0; i < 100; i++)

{

//Less than 20

if (i == 20) yield break;

{

//Even Number

if (i % 2 == 0)

{

yield return i;

}

}

}

}

public IEnumerable Power(int number, int exponent)

{

int count = 0;

int result = 1;

while (count++ < exponent)

{

//if (count == 3) yield break; //Up to Square

result \*= number;

yield return result;

}

}

}

class MainApp

{

static void Main()

{

Iterators Itr = new Iterators();

foreach (int i in Itr)

{

Console.Write(i + " ");

}

Console.WriteLine();

foreach (int i in Itr.Power(2, 8))

{

Console.Write(i + " ");

}

Console.WriteLine();

Console.ReadKey();

}

}

/\* Output

0 2 4 6 8 10 12 14 16 18

2 4 8 16 32 64 128 256

\*/