**7 kyu**

**Geometric Progression Sequence**

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C#

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In your class, you have started lessons about geometric progression. Since you are also a programmer, you have decided to write a function that will print first n elements of the sequence with the given constant r and first element a.

Result should be separated by comma and space

**Example:**

Kata.GeometricSequenceElements(2, 3, 5); // => "2, 6, 18, 54, 162"

More info: <https://en.wikipedia.org/wiki/Geometric_progression>

<https://www.codewars.com/kata/geometric-progression-sequence/csharp>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static string GeometricSequenceElements(int a, int r, int n)

{

// Your code here

List<int> lista = new List<int>();

int prod = a;

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

{

lista.Add(prod);

prod \*= r;

}

return string.Join(", ", lista);

}

static void Main(string[] args)

{

string res = GeometricSequenceElements(2, 3, 5); // => "2, 6, 18, 54, 162"

Console.WriteLine( res);

Console.ReadLine();

}

}

}