**7 kyu**

**Fibonacci**

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Create function fib that returns n'th element of Fibonacci sequence (classic programming task).

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using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

public static int fib(int n)

{

int prev = 0, prev\_prev = 1;

int sum = 0;

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

{

prev = sum;

sum = prev + prev\_prev;

prev\_prev = prev;

}

return sum;

}

static void Main(string[] args)

{

Console.WriteLine(fib(10));

Console.ReadLine();

}

}

}