**7 kyu**

**Find the nth Digit of a Number**

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C#

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Complete the function that takes two numbers as input, num and nth and return the nth digit of num (counting from right to left).

Note

* If num is negative, ignore its sign and treat it as a positive value
* If nth is not positive, return -1
* Keep in mind that 42 = 00042. This means that findDigit(42, 5) would return 0

Examples

findDigit(5673, 4) returns 5

findDigit(129, 2) returns 2

findDigit(-2825, 3) returns 8

findDigit(-456, 4) returns 0

findDigit(0, 20) returns 0

findDigit(65, 0) returns -1

findDigit(24, -8) returns -1

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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 FindDigit(int num, int nth)

{

if (nth <= 0) return -1;

string s = num.ToString();

if(s[0] == '-')

{

s = s.Substring(1);

}

int len = s.Length;

if (nth > len) return 0;

return s[len -nth] - '0';

}

static void Main(string[] args)

{

// for (int i = 0; i <= 10; i++)

// {

//FindDigit(-5666, i);

//Console.WriteLine(FindDigit(-5666, i));

// }

//for (int i = 0; i <= 10; i++)

{

//Console.WriteLine(i + " => " + FindDigit(1234567, 2));

Console.WriteLine( 2+ " => " + FindDigit(1234567, 2));

}

Console.ReadLine();

}

}

}