Yet another [reverse challenge](keyword://reverse-challenge). Have fun!

* **[time limit] 3000ms (cs)**
* **[input] integer number**

A number with no zeroes in it.

*Constraints*:  
1 ≤ number < 109.

* **[output] string**

A string of characters in range ['a' - 'i'].

<https://codefights.com/challenge/xmLcAnqyM2ozLB34y/main>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static string encoding(int number)

{

string ns = number.ToString();

var d = new Dictionary<char, char>();

d['1'] = 'i';

d['2'] = 'h';

d['3'] = 'g';

d['4'] = 'f';

d['5'] = 'e';

d['6'] = 'd';

d['7'] = 'c';

d['8'] = 'b';

d['9'] = 'a';

string ans = "";

for (int i = 0; i < ns.Length; i++)

{

ans += d[ns[i]];

}

return ans;

}

static void Main(string[] args)

{

Console.WriteLine( encoding(81122));

Console.ReadLine();

}

}

}