#include <stdio.h>

#include <math.h>

void main()

{

int number, sum = 0, rem = 0, cube = 0, temp;

printf ("enter a number");

scanf("%d", &number);

temp = number;

while (number != 0)

{

rem = number % 10;

cube = pow(rem, 3);

sum = sum + cube;

number = number / 10;

}

if (sum == temp)

printf ("The given no is armstrong no");

else

printf ("The given no is not a armstrong no");

}