#include <iostream>

using namespace std;

int main() {

int num, sum = 0, digit;

cout<<"Enter a positive integer: ";

cin>>num;

for(int temp=num; temp!=0;){

digit = temp % 10;

sum = sum +(digit \* digit \* digit);

temp = temp/10;

}

if(sum == num)

cout<<num<<" is an Armstrong number.";

else

cout<<num<<" is not an Armstrong number.";

return 0;

}