#include<stdio.h>

int main() {

    int num, temp, rem, sum = 0;

    printf("Enter a three-digit integer: ");

    scanf("%d", &num);

    temp = num;

    while (temp != 0) {

        rem = temp % 10;

        sum += rem \* rem \* rem;

        temp /= 10;

    }

    if (sum == num)

        printf("%d is an Armstrong number.\n", num);

    else

        printf("%d is not an Armstrong number.\n", num);

    return 0;

}

