#include <stdio.h>

int main() {

    int n, temp, digit, sum = 0;

    printf("Enter a number: ");

    scanf("%d", &n);

    temp = n \* n;

    while (temp != 0) {

        digit = temp % 10;

        sum += digit;

        temp /= 10;

    }

    if (sum == n)

        printf("%d is a Neon number.\n", n);

    else

        printf("%d is not a Neon number.\n", n);

    return 0;

}

