#include <stdio.h>

int main() {

int n, reversedN = 0, remainder, originalN;

printf("Enter an integer: ");

scanf("%d", &n);

originalN = n;

// reversed integer is stored in reversedN

while (n != 0) {

remainder = n % 10;

reversedN = reversedN \* 10 + remainder;

n /= 10;

}

// palindrome if orignalN and reversedN are equal

if (originalN == reversedN)

printf("%d is a palindrome.", originalN);

else

printf("%d is not a palindrome.", originalN);

return 0;

}