## Description

### Reverse Integer

#### Program Description

Given a 32-bit signed integer, **reverse** digits of an integer.

**Note:**

Assume we are dealing with an environment which could only store integers within the 32-bit signed integer range: [−231, 231 − 1]. For the purpose of this problem, assume that your function returns 0 when the reversed integer overflows.

#### Input Format

A single line contains an integer N.

#### Output Format

Display the given integer as reverse integer.

Constraints

$1<=N<=10^4$

Input-1

123

Output-1

321

Input-2

1221

Output-2

1221

Input-3

C - GCC 11.1.0

Timer 0:08 sec

Light

```c
#include<stdio.h>
int main()
{
    int r,rev,n;
    scanf("%d",&n);
    while(n!=0)
    {
        r=n%10;
        rev=rev*10+r;
        n=n/10;
    }
    printf("%d",rev);
    return 0;
}
```

Run Code

## Compiler Response

| # | Testcase | Input | Expected Output | Your Output | Memory | CPU time | Result |
|---|---|---|---|---|---|---|---|
| 1 | 123 | 123 | 321 | 321 | 1408 KB | 3.667 ms | Pass |
| 2 | -123 | -123 | -321 | -321 | 1408 KB | 2.603 ms | Pass |

All hidden testcases passed

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