Logo

# STUDENT REPORT

## DETAILS

**Name**

K govardhan reddy

**Roll Number**

22BI24ME438-T

## EXPERIMENT

**Title**

ENCODE THE NUMBER

**Description**

You work in the message encoding department of a national security agency. Every message that is sent from or received in your office is encoded. You have an integer N, and each digit of N is squared and the squares are concatenated together to encode the original number. Your task is to find and return an integer value representing the encoded value of the number.

**input1:** An integer value N representing the number to be encoded.

**Output :**

Return an integer value representing the encoded value of the number.

Sample Input:

167

Sample Output:

13649

**Source Code:**

```
N=int(input())
res=0
f=1
while N>0:
    rem= N%10
    sq=rem**2
    if sq<10:
        res=sq*f+res
        f*=10
    else:
        res+=sq*f
        f*=100
    N//=10
print(res)
```

## RESULT

0 / 5 Test Cases Passed | 0 %