STUDENT REPORT

DETAILS

Name

Sandhya G

Roll Number

KUB23MCA017

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:

```
def encode_number(N):
    str_N=str(N)
    encoded_str=""
    for digit in str_N:
        squared_digit=int(digit)**2
        encoded_str+=str(squared_digit)
    encoded_value=int(encoded_str)
    return encoded_value
N=int(input())
res=encode_number(N)
print(res)
```

RESULT

5 / 5 Test Cases Passed | 100 %