



# STUDENT REPORT

## DETAILS

### Name

N Prateeth Bharadwaj

### Roll Number

3BR21EC109

## 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(s):
    st=str(s)
    encoded_str= ''
    for dig in st:
        squared=str(int(dig)**2)
        encoded_str+=squared

    encoded_num=int(encoded_str)
    return encoded_num
s=input()
print(encode(s))
```

## RESULT

5 / 5 Test Cases Passed | 100 %