



# STUDENT REPORT

## DETAILS

### Name

Keerthi N

### Roll Number

3BR23EE050

## EXPERIMENT

### Title

### FINDING COMMAS

### Description

Liam works as a data analyst for a company that stores massive amounts of numerical data. He has been tasked with determining how many commas are used when writing numbers in the range of 1 to N (inclusive) in a specific format

In this format, if numbers are more than four digits long, commas are used to separate the numbers into groups of three, starting from the right for the representation of the number. Your task is to help Liam find and return an integer value, representing the total number of commas used when writing each integer in the range of 1 to N

Input Specification:

Input: An integer value N. representing the number range.

Output Specification:

Return an integer value, representing total number of commas used when writing each integer in the range of 1 to N.

### Sample Input:

5000

### Sample Output:

4001

### Source Code:

```
n=int(input())
d=len(str(n))
t=0
for i in range(1,d):
    c=(i-1)//3
    num=9*(10**(i-1))
    t+=c*num
c=(d-1)//3
num=(n-(10**(d-1)))+1
t+=c*num
print(t)
```

## RESULT

3BR2

050

3EEU

3BR23  
E050

503E  
23EEU

3EEU3  
3BR2

3R23EF  
050