



# STUDENT REPORT

## DETAILS

### Name

ADHARSH G M

### Roll Number

KUB23CSE003

## 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

KUB

SE00

B23C

13 KU  
SE00

CSE0  
B23

UB22  
203 K

003 K  
3C