

```
n = input("enter a number : ")
n = int(n)
total = 0
i = 1
while i <= n:
    total += i
    i += 1
print(total)
```

```
enter a number : 25
325
```

```
# problem
# ask user to input a number containing more than one digit
# example - 1256
# calculate 1+2+5+6 and print

# algorithm - (method to solve problem in human language)
# ask input in string, i.e don't change string to int
# example - "1256"
# pick string character one by one and change to int
# int(example[0]) + int(example[1]) ... go upto len(example) - 1
```

```
# solution of this question
```

```
number = input("enter a number ")
# "1256" # length = 4 , last index = 3
# int(number[i]) +
```

```
total = 0
i = 0
while i < len(number):
    total += int(number[i])
    i += 1
print(total)
```

```
enter a number 11111
5
```