**Question 1 - Create a function that takes a number as an argument and returns True or False depending on whether the number is symmetrical or not. A number is symmetrical when it is the same as its reverse.  
Examples  
is\_symmetrical(7227) ➞ True  
is\_symmetrical(12567) ➞ False  
is\_symmetrical(44444444) ➞ True  
is\_symmetrical(9939) ➞ False  
is\_symmetrical(1112111) ➞ True**

def is\_symmetrical(a):  
 rev=0  
 while(a!=0):  
 d=a%10  
 rev=rev\*10+d  
 a//=10  
 return rev  
n=int(input())  
rev\_num=is\_symmetrical(n)  
if(rev\_num==n): print("True")  
else: print("False")

**Question 2- Given a string of numbers separated by a comma and space, return the product of the numbers.  
Examples  
multiply\_nums("2, 3") ➞ 6  
multiply\_nums("1, 2, 3, 4") ➞ 24  
multiply\_nums("54, 75, 453, 0") ➞ 0  
multiply\_nums("10, -2") ➞ -20**

def multiply\_nums(s):  
 m=1  
 for i in range(len(s)):  
 m=m\*int(s[i])  
 return m  
s=input().split(',')  
mul=multiply\_nums(s)  
print(mul)

**Question 3- Create a function that squares every digit of a number.  
Examples  
square\_digits(9119) ➞ 811181  
square\_digits(2483) ➞ 416649  
square\_digits(3212) ➞ 9414**

### Notes The function receives an integer and must return an integer.

def square\_digits(s):  
 m=''  
 for i in range(len(s)):  
 m=''.join([m,str(int(s[i])\*\*2)])   
 return m  
s=input()  
square=square\_digits(s)  
print(str(square))

**Question 4- Create a function that sorts a list and removes all duplicate items from it.**

### Examples setify([1, 3, 3, 5, 5]) ➞ [1, 3, 5] setify([4, 4, 4, 4]) ➞ [4] setify([5, 7, 8, 9, 10, 15]) ➞ [5, 7, 8, 9, 10, 15] setify([3, 3, 3, 2, 1]) ➞ [1, 2, 3]

def setify(li):  
 l=[]  
 for i in range(len(li)):  
 if(li[i] not in l):  
 l.append(li[i])  
 return ','.join(sorted(l))  
l=list(input().split(','))  
li=setify(l)  
print(li)

**Question 5- Create a function that returns the mean of all digits.  
Examples  
mean(42) ➞ 3  
mean(12345) ➞ 3  
mean(666) ➞ 6  
Notes**

* **The mean of all digits is the sum of digits / how many digits there are (e.g. mean of digits in 512 is (5+1+2)/3(number of digits) = 8/3=2).**
* **The mean will always be an integer.**

def mean(a):  
 s=0, count=0  
 while(a!=0):  
 d=a%10  
 s=s+d  
 a//=10  
 count+=1  
 s=s/count  
 return s  
n=int(input())  
print(int(mean(n))