2.

import math  
  
  
def is\_prime(n): # 判断素数  
 if n < 2:  
 return False  
  
 for i in range(2, int(math.sqrt(n)) + 1):  
 if n % i == 0:  
 return False  
  
 return True  
  
  
print(is\_prime(13))

3.

def count\_Ele\_Num(Str):  
 number = 0  
 big\_letter = 0  
 small\_letter = 0  
 other = 0  
 for i in Str:  
 if '9' >= i >= '0':  
 number += 1  
 elif 'z' >= i >= 'a':  
 small\_letter += 1  
 elif 'Z' >= i >= 'A':  
 big\_letter += 1  
 else:  
 other += 1  
 return (number, small\_letter, big\_letter, other)  
  
  
print(count\_Ele\_Num("2022.11.25,I love python!"))

6.会，a本来是5，后来变成了3

def demo():  
 a = 3  
 print(a)  
  
  
a = 5  
demo()

8.

def f(\*args):  
 return max(\*args), sum(args)  
  
  
print(f(1, 2, 3, 4, 5))

9.

def Sum(v):  
 s = 0  
 for i in v:  
 s += i  
 return s  
  
  
x = [1, 2, 3, 4, 5]  
print(Sum(x))  
x = (1, 2, 3, 4, 5)  
print(Sum(x))

11.

def Sorted(a):  
 temp = a[:]  
 temp.sort()  
 return temp  
  
  
l = [7, 1, 8, 6, 3, 5, 9]  
print(Sorted(l))

12.

def Reversed(a):  
 temp = a[:]  
 temp.reverse()  
 return temp  
  
  
l = [7, 1, 8, 6, 3, 5, 9]  
print(Reversed(l))