**Exercises**

1 Write program

text = **'ThiS is String with Upper and lower case Letters.'**.lower()  
counts={}  
**for** char **in** text :  
 counts[char]=counts.get(char,0) + 1  
counts=sorted(counts.items())  
**for** i **in** counts:  
 print(i[0],**' '**,i[1])

2 Python interpreter’s response

a)35

b)4

c)True

d)Keyerror:’Pear’

e)0

f) ['apples', 'bananas', 'grapes', 'oranges']

g)False

**function**

**def** add\_fruit(inventory,fruit,quantity=0):  
 **def** add\_fruit(inventory,fruit,quantity=0):  
 **if** fruit **in** inventory:  
 inventory[fruit] += quantity  
 **else**:  
 inventory[fruit] = quantity

add\_fruit(new\_inventory, "strawberries", 10)

test("strawberries" in new\_inventory)

>>> True

test(new\_inventory["strawberries"] == 10)

>>> True

add\_fruit(new\_inventory, "strawberries", 25)

test(new\_inventory["strawberries"] == 35)

>>> True