# 1  
*'''  
count = 0  
dictionary\_words = dict()  
fhand = open('D:\words.txt')  
for line in fhand:  
 words = line.split()  
 for word in words:  
 count += 1  
 if word in dictionary\_words:  
 continue  
 dictionary\_words[word] = count  
  
if 'Python' in dictionary\_words:  
 print('True')  
else:  
 print('False')  
'''*# 2  
'''  
dictionary\_days = dict()  
fname = input('Enter a file name: ')  
try:  
 fhand = open(fname)  
except FileNotFoundError:  
 print('File cannot be opened:', fname)  
 exit()  
  
for line in fhand:  
 words = line.split()  
 if len(words) < 3 or words[0] != 'From':  
 continue  
 else:  
 if words[2] not in dictionary\_days:  
 dictionary\_days[words[2]] = 1  
 else:  
 dictionary\_days[words[2]] += 1  
  
print(dictionary\_days)  
'''  
# 3  
'''  
dictionary\_addresses = dict()  
fname = input('Enter file name: ')  
try:  
 fhand = open(fname)  
except FileNotFoundError:  
 print('File cannot be opened:', fname)  
 exit()  
  
for line in fhand:  
 words = line.split()  
 if len(words) < 2 or words[0] != 'From':  
 continue  
 else:  
 if words[1] not in dictionary\_addresses:  
 dictionary\_addresses[words[1]] = 1   
 else:  
 dictionary\_addresses[words[1]] += 1  
  
print(dictionary\_addresses)  
'''  
  
# 4  
'''  
dictionary\_addresses = dict()  
maximum = 0  
maximum\_address = ''  
  
fname = input('Enter file name: ')  
try:  
 fhand = open(fname)  
except FileNotFoundError:  
 print('File cannot be opened:', fname)  
 quit()  
  
for line in fhand:  
 words = line.split()  
 if len(words) < 2 or words[0] != 'From':  
 continue  
  
 if words[1] not in dictionary\_addresses:  
 dictionary\_addresses[words[1]] = 1  
 else:  
 dictionary\_addresses[words[1]] += 1  
  
for address in dictionary\_addresses:  
 if dictionary\_addresses[address] > maximum:  
 maximum = dictionary\_addresses[address]  
  
print(maximum\_address, maximum)  
'''