**EX NO: 11 The most frequent words in a text file**

**Date :**

**AIM**

Find the most frequent words in a text read from a file.

sample input 0: the peacock is the beautiful bird...

sample output 0: the

sample input 1: sea shells is in the sea shore

sample output 1: sea

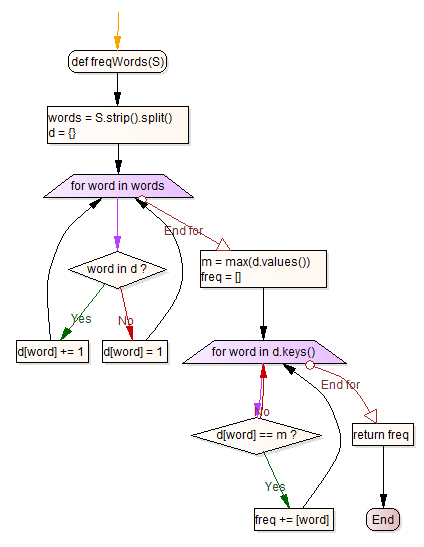
sample input 2: It is a quite easy program

sample output 2: There are no frequently used words

**ALGORITHM**

**Step 1:** Get the filename as command line argument   
**Step 2:** Open and read the file content (text)  
**Step 3:** Split the text into words with space delimiter ‘ ‘  
**Step 4:** Create the dictionary with the count for each word in the text.  
**Step 5:** Findthe word with the maximum count and print the word

**FLOWCHART**



**SOURCE CODE**

import sys

def freqWords(S):

words = S.strip().split()

d = {}

for word in words:

if word in d:

d[word] += 1

else:

d[word] = 1

m = max(d.values())

freq = []

for word in d.keys():

if d[word] == m:

freq += [word]

return freq

filename = sys.argv[1]

try:

print(filename)

f = open(filename, 'r')

text = f.read()

print(text)

print('freq words:', freqWords(text))

f.close()

except:

print("freqWords: File not available!")

print(sys.argv)

**OUTPUT**

sample.txt

python is great language

$ python3 wc.py sample.txt

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**RESULT**

Thus the python program for finding the most frequent words in a text read from a file was executed and verified successfully.