

MODULE -8

(Trigram concept)

Reading Material:

In the previous module we have learned how to find unigram and bigram in a file consists of multiple files. In this module we are going to find trigram.

Let us look at what is a trigram:

Example:- string "this is a trigram python program"

As we have done in the previous module every word in the above string is called unigram, a bigram is two consecutive letters or words or syllables separated by single space and a trigram consists of three letters or words separated by a single space.

Trigrams in above string:

this is a

is a trigram

a trigram python

trigram python program

Worked out example:

1) Write a program to find given trigram is present there in the string or not.

```
string1="hello, good morning all of you"
s="good morning all"
fsplit=string1.split()
sword= s.split()
length = len(fsplit)
count=0
for i in range(length-2):
    if fsplit[i]==sword[0] and fsplit[i+1]==sword[1] and fsplit[i+2]==sword[2]:
        count=count+1
if count==0:
    print "The given trigram is NOT FOUND"
else:
    print "The given trigram is found ",count, "times"
```

Exercise problems:

1. Create a file with some text and save it as "trigram.txt". Write a program to check the trigram(Take a trigram from the user) is in the file "trigram.txt" or not.
2. Take the file "list.txt"(which you have in the previous module with names of multiple files) and write a python program to print how many times given trigram(Take from the user) is found.