**LAB PROGRAMS**

* Consider 2 words as input and find the similar characters from the two words.

word\_1 = 'one'

word\_2 = 'toe'

" ''.join(set(word\_1).intersection(word\_2))

* Consider a paragraph as an input, write a program to remove stopwords from the paragraph.

python code :

from nltk.corpus import stopwords

nltk.download('stopwords')

from nltk.tokenize import word\_tokenize

text = "Nick likes to play football, however he is not too fond of tennis."

text\_tokens = word\_tokenize(text)

tokens\_without\_sw = [word for word in text\_tokens if not word in stopwords.words()]

print(tokens\_without\_sw)

* Write a program to apply the process of stemming by considering a paragraph as input.

from nltk.stem import PorterStemmer

from nltk.tokenize import word\_tokenize

ps = PorterStemmer() #creating an instance of the class

def func(sentence):

words = word\_tokenize(sentence) #tokenizing the words of a sentence

#printing the results of stemming the words of a sentence

for x in words:

print(x, " : ", ps.stem(x))

Consider 2 phrases as input and find the similar words from the 2 phrases along with their place value.