

"""	unigrams = ngrams(sentence.split(), n)	# OUTPUT -
Assignment No 4		"""
Name – Vaibhav Shete	for item in unigrams:	('Your',)
Batch – B3	print(item)	('smile',)
Roll No - 53		('makes',)
Assignment Title: Implement Bi-gram, Tri-gram word sequence and its count in text inputs or twitter data using NLTK library	#trigram model	('me',)
"""	n = 3	('smile',)
	sentence = 'Your smile makes me smile Your laugh makes me laugh Your eyes are enchanting You make my thoughts seem daft Since the day I first laid eyes on you My feelings grew and grew In that first conversation my knees clicked and clacked And those butterflies flipped and flapped And as I spill these simple rhymes My mind goes over time and time I have a crush, a little teenage crush I dont know what to do, about this lovely little crush'	('Your', 'smile')
from nltk import ngrams		('smile', 'makes')
from nltk.util import ngrams		('makes', 'me')
		('me', 'smile')
#unigram model		('smile', 'Your')
n = 1		('Your', 'laugh')
		('laugh', 'makes')
		('makes', 'me')
sentence = 'Your smile makes me smile Your laugh makes me laugh Your eyes are enchanting You make my thoughts seem daft Since the day I first laid eyes on you My feelings grew and grew In that first conversation my knees clicked and clacked And those butterflies flipped and flapped And as I spill these simple rhymes My mind goes over time and time I have a crush, a little teenage crush I dont know what to do, about this lovely little crush'	unigrams = ngrams(sentence.split(), n)	('Your', 'smile', 'makes')
	for item in unigrams:	('smile', 'makes', 'me')
	print(item)	('makes', 'me', 'smile')
	#using text file input	('me', 'smile', 'Your')
		('smile', 'Your', 'laugh')
	from nltk import ngrams	('Your', 'laugh', 'makes')
	file = open("/home/exam/Awesome-NLP/Num.txt")	('laugh', 'makes', 'me')
		('makes', 'me', 'laugh')
	for i in file.readlines():	('me', 'laugh', 'Your')
	cumulative = i	('grew', 'In', 'that')
	sentences = i.split(".")	('In', 'that', 'first')
	counter = 0	('that', 'first', 'conversation')
for item in unigrams:	for sentence in sentences:	('first', 'conversation', 'my')
print(item)	print("For sentence", counter + 1, ", trigrams are: ")	('conversation', 'my', 'knees')
#bigram model		('my', 'knees', 'clicked')
n = 2	trigrams = ngrams(sentence.split(" "), 3)	('knees', 'clicked', 'and')
		('clicked', 'and', 'clacked')
sentence = 'Your smile makes me smile Your laugh makes me laugh Your eyes are enchanting You make my thoughts seem daft Since the day I first laid eyes on you My feelings grew and grew In that first conversation my knees clicked and clacked And those butterflies flipped and flapped And as I spill these simple rhymes My mind goes over time and time I have a crush, a little teenage crush I dont know what to do, about this lovely little crush'	for grams in trigrams:	('and', 'clacked', 'And')
	print(grams)	('clacked', 'And', 'those')
	counter += 1	('And', 'those', 'butterflies')
	print()	('those', 'butterflies', 'flipped')
		('butterflies', 'flipped', 'and')