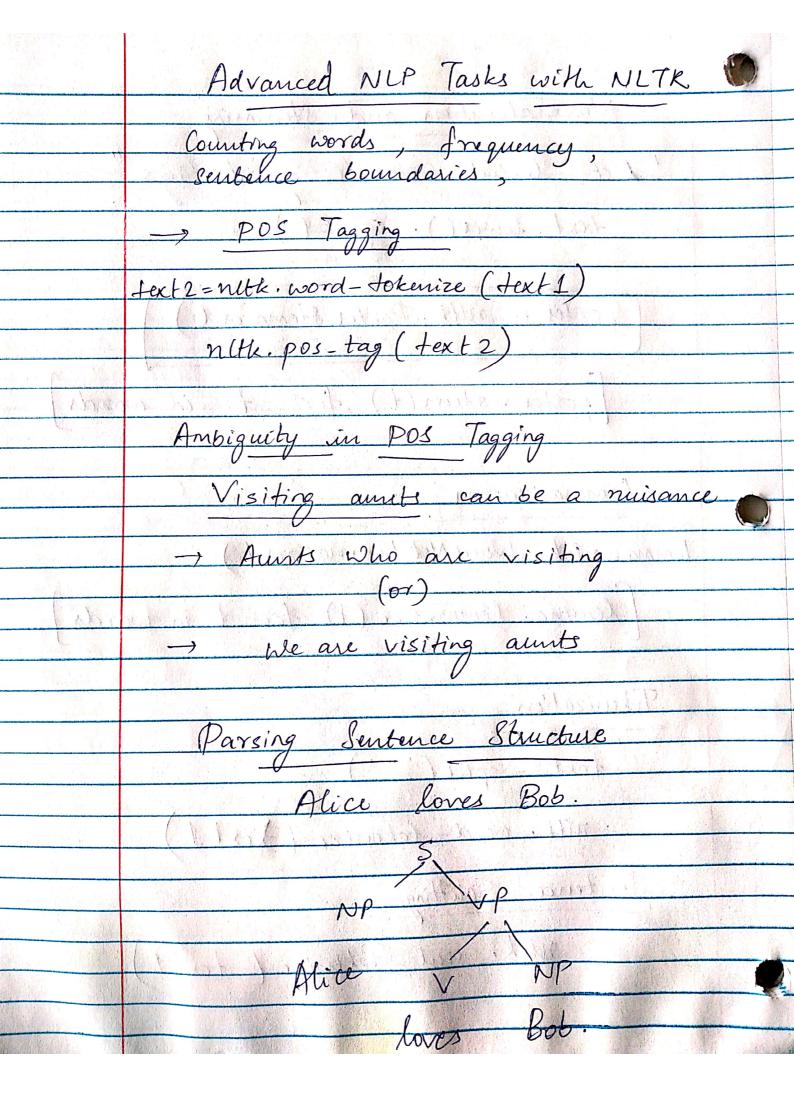
Basic NLP Tasks with NLTK rom netk. book import * len (set (text 7)) list (set (text 7)) [0:10] m' -> utf-encoded Frequency -) dist = Freq Dist (text 7) len (dist) vocab 1 = dist. keys () > dist ['four'] $(20) \rightarrow count$ frequerds = [w for w in vocab 1 len(w) > 5 and dist[w] > 100 length > 5 and count > 100)

APIN MORE TOOK IN MAN AND A STATE OF THE STA
Λ love a limit Λ
Normalisation and Stemming
- 1 CANON - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
"List listed lists listing listings"
#25 1 1 1 1 1 1 1
text. lower(). split()
[porter = nltk. Porter 8 temmer ()
porter overvuer ()
[porter.stem(t) for t in words]
Cemnatization
lemma = nltk, Word Net Lemmatizer ()
lemma. lemmatize (t) for t in words
The same wife and the same wife and the same
Tokenization
Part Mark Mark Mark Mark Mark Mark Mark Mark
text1. split('')
mitk. word-tokenize (text 1)
Sentence Splitting
nlth, sent-tokenize (text1)



grammar
parser = ntk. Chart Parser (text1)
trees = parser parse all (text1)
for tree in trees:
for tree in trees: print (tree)
Ambiguity in Parsing
Finisiguity in 148311g
I saw the man with a telescope.
-> man holding a telescope
-> man holding a telescope -> saw the man using a telescope
pareer = neth. Chart Parser (grammar 1)
grammar 1 = nlth. data. load
granmar 1 = nltk. data. boad (mygranmar 1. Cfg)
Tree Bank
from neth. corpus import treebank
fext1 = treebank, parsed - sents ("Wsj-000 omy")[0] print tree structure (parsed)
· my'')[0]
print tree structure (parsed)

11/2/11/20

Vincommon usages of words

Ex: - the old man the boat

Well-formed sentences may still be meaningless

Ex: - Colorless green ideas sleep furiously.