EXP6 CHUNK

# Importing the required libraries

import nltk

from nltk import pos\_tag

from nltk import word\_tokenize

from nltk import RegexpParser

# Example sentence

text = " The Air India flight to Delhi was ready to board."

# Splitiing the sentence into words

list\_of\_words = word\_tokenize(text)

# Applying POS\_tagging

tagged\_words = pos\_tag(list\_of\_words)

# Extracting the Noun Phrases

chunk\_to\_be\_extracted = r''' Chunk: {<DT>\*<NNP>\*<NN>\*} '''

# Applying chunking to the text

chunkParser = nltk.chunk.RegexpParser(chunk\_to\_be\_extracted)

chunked\_sentence = chunkParser.parse(tagged\_words)

# To view the NLTK tree

chunked\_sentence.draw()

# To print the chunks extracted

print('Chunks obtained: \n')

for subtree in chunked\_sentence.subtrees():

if subtree.label() == 'Chunk':

print(subtree)

A screenshot of a computer

Description automatically generated