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Artificial Intelligence Lab Internal - 2

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class: BE VI SIM

- a) Stemming for a given sentence.
- A) => stemming is a process of extracting a root word.
 - =) for example: jumping', 'jumps' & 'jumped' ever stemmed into jump.
 - =) stemming helps us in standardizing words to their base stem regardless of their pronunciation.
 This helps us to dossify or cluster the text.
 - => Search engines use these techniques extensively to give better & more accurate results irrespective of the word form.
 - e) The ntk. package has several implementations for stemmers.
 - 1 using Porter Stemmer.
 - 2 using Lancaster Stemmer.
 - 3 using snowball stemmer.
 - (1). Using Regerp stemmer.

PROGRAM:

from nltk. stem impost Porter stemmer

st = Porter Stemmer ()

text = ['where did he learn to dance like that?',

'His eyes were dancing with humor.',

'She shook her head and danced away',

'Adihi is an excellent dancer.']

output = []

for sentence in text:

output.append (" ".join ([st.stemci) for
in suntenu split ()]))

for item in output;
print (item)

print ("-" * 50)

print (st. stern ('jumping'), st. stern ('jumps'), st. stern ('jumped')

Expected output:

where did he leaven to danc like that? hi eye were danc with humor. She shook her head and danc away.

jump jump jump.

output

where did he learn to danc like that? hi eye were danc with humor. She shook her head and danc away aditi wa an excel dancer.

jump jump jump.

OUTPUT SCREENSHOT



Link to colab file: https://colab.research.google.com/drive/1AU-HwDJpNIdi21umz9vOfXTQIUqKps40?usp=sharing