PROGRAM-10

Aim: Write a program in python to implement Lemmatization using NLTK

Logic: Lemmatization is the process of grouping together the different reflected forms of a word so that can be analyzed as a single item. It is similar to stemming but it brings context to the word. So, it links word with similar meaning to one word.

Algorithm:

1. Import NLTK
2. From nltk.stem import WordnetLemmatizer
3. Import sentence from user
4. Remove punctuations from sentence
5. Print each lemmatized word with corresponding lemma

Implementations:

```
from nltk.stem import WordNetLemmatizer

import string

lemmatizer = WordNetLemmatizer()

message = input("Enter a message : ")
punctuations = string.punctuation

for word in message:
    if word in punctuations:
        message.remove(word)

message = message.split()
print("word\t\tlemma")
for word in message:
    print(f"{word}\t\t{lemmatizer.lemmatize(word)}")
```

Input:

rocks corpus better

Output: