[Day-6 2211cs020206] write a python program to using NLTK and spacy convert text to lowercase.Remove stopwords using NLTK

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In [2]:
1  !pip install nltk spacy
2  import spacy
3  from nltk.corpus import stopwords
4  import nltk
5  import re
6  nltk.download('stopwords')
7  nlp = spacy.load("en_core_web_sm")
8  def process_text(text):
9      text = text.lower()
10     text = re.sub(r'[^\w\s]', '', text)
11     doc = nlp(text)
12     stop_words = set(stopwords.words('english'))
13     filtered_words = [token.text for token in doc if token.text not in st
14     return " ".join(filtered_words)
15 text = "Write a Python program to using NLTK and Spacy. Convert text to l
16 processed_text = process_text(text)
17 print(processed_text)
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Requirement already satisfied: langcodes<4.0.0,>=3.2.0 in c:\users\nihar\a
naconda3\lib\site-packages (from spacy) (3.3.0)
Requirement already satisfied: catalogue<2.1.0,>=2.0.6 in c:\users\nihar\a
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Requirement already satisfied: requests<3.0.0,>=2.13.0 in c:\users\nihar\a
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\anaconda3\lib\site-packages (from spacy) (5.2.1)
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