


```

import nltk
import spacy
nltk.download('punkt_tab')
def convert_to_lowercase_nltk(text):
    from nltk.tokenize import word_tokenize
    tokens = word_tokenize(text)
    lower_tokens = [word.lower() for word in tokens]
    return " ".join(lower_tokens)
def convert_to_lowercase_spacy(text):
    nlp = spacy.load("en_core_web_sm")
    doc = nlp(text)
    lower_tokens = [token.text.lower() for token in doc]
    return " ".join(lower_tokens)
text = input("Enter your text: ")
lowercase_nltk = convert_to_lowercase_nltk(text)
print("\nLowercase using NLTK:")
print(lowercase_nltk)
lowercase_spacy = convert_to_lowercase_spacy(text)
print("\nLowercase using spaCy:")
print(lowercase_spacy)

```

 [nltk\_data] Downloading package punkt\_tab to /root/nltk\_data...  
 [nltk\_data] Unzipping tokenizers/punkt\_tab.zip.  
 Enter your text: THE Weeknd


Lowercase using NLTK:  
 the weeknd

Lowercase using spaCy:  
 the weeknd

```

import nltk
from nltk.corpus import stopwords
from nltk.tokenize import word_tokenize
nltk.download('punkt')
nltk.download('stopwords')
def remove_stopwords(text):
    stop_words = set(stopwords.words('english'))
    words = word_tokenize(text)
    filtered_words = [word for word in words if word.lower() not in stop_words]
    return " ".join(filtered_words)
text = input("Enter your text: ")
filtered_text = remove_stopwords(text)
print("\nText after removing stopwords:")
print(filtered_text)

```

 [nltk\_data] Downloading package punkt to /root/nltk\_data...  
 [nltk\_data] Package punkt is already up-to-date!  
 [nltk\_data] Downloading package stopwords to /root/nltk\_data...  
 [nltk\_data] Unzipping corpora/stopwords.zip.  
 Enter your text: Hello This is Harshith Reddy from Hyderabad

Text after removing stopwords:  
 Hello Harshith Reddy Hyderabad

Start coding or [generate](#) with AI.