

## AI Lab\exp\_07\stop\_words.py

```
1 import nltk
2 from nltk.corpus import stopwords
3 from nltk.tokenize import word_tokenize
4
5 nltk.download('punkt', quiet=True)
6 nltk.download('stopwords', quiet=True)
7
8 with open('D:/SelfRepoClone/Python_LocalVC/AI Lab/exp_07/input.txt', 'r') as file:
9     text = file.read()
10
11 words = word_tokenize(text)
12 stop_words = set(stopwords.words('english'))
13
14 filtered_words = [word for word in words if word.lower() not in stop_words]
15
16 filtered_text = ' '.join(filtered_words)
17
18 print("Original text:")
19 print(text)
20 print("\nFiltered text:")
21 print(filtered_text)
22
23 with open('output.txt', 'w') as file:
24     file.write(filtered_text)
```

Original text:

Filtered text:

quick brown fox jumps lazy dog near old wooden bridge river . morning , sun rises mountains , birds begin sing beautiful songs . children playing toys big tree parents sat bench watched carefully . many books shelf library students come study exams . test passage contains numerous common stop words , , , , , , , , , , , , , , , , although , since , , unless , , , , , whose , , , , else , , , yet , , , , onto , upon , within , without , throughout , many .