

(5)

-> def load_stop_words(stopwords_file):

""" Load stop words from a file into a set """

with open(stopwords_file, "r", encoding = "utf-8")
as file:

stop_words = {line.strip().lower() for line in
file}

return stop_words

def remove_stop_words(input_file, stopwords_file,
output_file):

""" Remove stop words from each line of
input file """

stop_words = load_stop_words(stopwords_file)

with open(input_file, "r", encoding = "utf-8")
as infile, open

output_file, "w", encoding = "utf-8"

) as outfile:

for line in infile:

filtered_words = [



```
word for word in line.split() if word  
lower() not in stop_words
```

```
]
```

```
outfile.write(" ".join(filtered_words)+"\n")
```

```
if __name__ == "__main__":
```

```
input_file = "input.txt"
```

```
stopword_file = "stopwords.txt"
```

```
output_file = "output.txt"
```

```
remove_stop_words(input_file, stopword_file,  
output_file)
```

```
print("Stop word elimination complete. Processed  
output saved in", output_file)
```

• Stopword.txt

the

is

a

am

• Input.txt

① This is a test sentence

② I am learning python programming.

③ The quick brown fox jump over the lazy dog