```
import nltk
from nltk.corpus import stopwords
from nltk.tokenize import word_tokenize
```

```
# Download necessary data
nltk.download('punkt')
nltk.download('stopwords')
```

```
[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]   Package stopwords is already up-to-date!
True
```

```
# Input text
text = "Hey devs, hope your code is bug-free and your models are learning fast!"
print(f"Input text: \n{text}")
print(f"Length of text: {len(text)}")
```

```
Input text:
Hey devs, hope your code is bug-free and your models are learning fast!
Length of text: 71
```

```
# Tokenization
tokens = word_tokenize(text)
print(f"Tokens: \n{tokens}")
print(f"Length of tokens: {len(tokens)}")
```

```
Tokens:
['Hey', 'devs', ',', 'hope', 'your', 'code', 'is', 'bug-free', 'and', 'your', 'models', 'are', 'learning', 'fast', '!']
Length of tokens: 15
```

```
# Stopword removal
filtered_tokens = [word for word in tokens if word.lower() not in stopwords.words('english')]
print(f"Filtered tokens: \n{filtered_tokens}")
print(f"Length of filtered tokens: {len(filtered_tokens)}")
```

```
Filtered tokens:
['Hey', 'devs', ',', 'hope', 'code', 'bug-free', 'models', 'learning', 'fast', '!']
Length of filtered tokens: 10
```