

#Task 3: Counting Word Occurrences using flatMap()

```
from pyspark import SparkContext
```

```
sc = SparkContext("local", "Word Count")
```

```
# Sample text data
```

```
data = ["hello world", "hello PySpark", "hello everyone"]
```

```
rdd = sc.parallelize(data)
```

```
# Count word occurrences
```

```
word_counts = rdd.flatMap(lambda line: line.split()) \
```

```
                    .map(lambda word: (word, 1)) \
```

```
                    .reduceByKey(lambda x, y: x + y)
```

```
print(word_counts.collect())
```

```
sc.stop()
```

```
🔄 [('hello', 3), ('world', 1), ('PySpark', 1), ('everyone', 1)]
```

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

