```
import nltk
import pandas as pd
```

```
from google.colab import files
uploaded = files.upload()
```

Choose Files   movie_review.csv
- **movie_review.csv**(text/csv) - 9150992 bytes, last modified: 4/28/2023 - 100% done
Saving movie_review.csv to movie_review.csv

```
df = pd.read_csv('movie_review.csv')
```

```
df
```

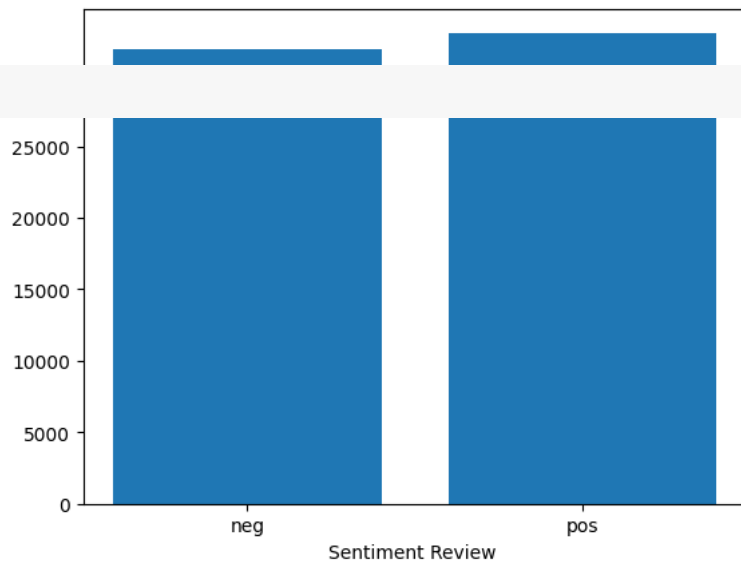|	fold_id	cv_tag	html_id	sent_id	text	tag
0	0	cv000	29590	0	films adapted from comic books have had plenty...	pos
1	0	cv000	29590	1	for starters , it was created by alan moore (...	pos
2	0	cv000	29590	2	to say moore and campbell thoroughly researche...	pos
3	0	cv000	29590	3	the book (or " graphic novel , " if you will ...	pos
4	0	cv000	29590	4	in other words , don't dismiss this film becau...	pos
...	...	...	...	...	...	...
64715	9	cv999	14636	20	that lack of inspiration can be traced back to...	neg
64716	9	cv999	14636	21	like too many of the skits on the current inca...	neg
64717	9	cv999	14636	22	after watching one of the " roxbury " skits	neg

```
df.tag.value_counts()
```

```
pos    32937
neg    31783
Name: tag, dtype: int64
```

```
tag_count = df.groupby('tag').count()
print(tag_count)
```

```
     fold_id  cv_tag  html_id  sent_id   text
tag
neg    31783   31783    31783    31783  31783
pos    32937   32937    32937    32937  32937
```

```
import matplotlib.pyplot as plt
```

```
plt.bar(tag_count.index.values, tag_count['text'])
plt.xlabel('Sentiment Review ')
plt.show()
```

✓ 1s   completed at 12:46 PM   ● ✕