

Flipkart Reviews- Sentiment Analysis

Importing libraries:

In [60]:

```
import requests
from bs4 import BeautifulSoup
import string
from nltk.sentiment.vader import SentimentIntensityAnalyzer
```

Website URL:

In [61]:

```
page = requests.get('https://www.flipkart.com/oneplus-bullets-wireless-z-bluetooth-headset/product-reviews/itm0fa6e667285c4?pid=ACCFR3Q77R6RRGAC&lid=LSTACCFR3Q77R6RRGAC2RJOEB&marketplace=FLIPKART')
```

Parsing HTML:

In [62]:

```
soup = BeautifulSoup(page.content, 'html.parser')
```

Extracting the text:

In [63]:

```
con = soup.find(class_ = '_12iFZG _3PG6Wd')
tags = con('div')
reviews = ''
for tag in tags:
    reviews = reviews + ' ' + tag.text
```

Cleaning the text:

In [64]:

```
lower_case = reviews.lower()
cleaned_text = lower_case.translate(str.maketrans('','',string.punctuation))
```

Sentiment analysis:

In [65]:

```
def sentiment_analyse(sentiment_text):
    score = SentimentIntensityAnalyzer().polarity_scores(sentiment_text)
    print('Positive reviews:',score['pos']*100,'%')
    print('Negative reviews:',score['neg']*100,'%')
    print('Neutral reviews:',score['neu']*100,'%')
    sentiment_analyse(cleaned_text)
```

```
Positive reviews: 21.3 %
Negative reviews: 10.100000000000001 %
Neutral reviews: 68.60000000000001 %
```

