import csv

from textblob import TextBlob

from google\_play\_scraper import reviews

# Appp name input Hare (Package name)

package\_name = "com.clubhouse.app"

# Retrieve app infoemation reviews from the Google Play Store

reviews\_list, \_ = reviews(package\_name, lang='en', count=100)

#  the output file name store in local storage in PC

output\_file = "clubhouse\_reviews008.csv"

# Perform sentiment analysis and save reviews to CSV

with open(output\_file, "w", newline="", encoding="utf-8") as csvfile:

    writer = csv.writer(csvfile)

    writer.writerow(["Review", "Sentiment", "Ratings"])

    for review in reviews\_list:

        def jls\_extract\_def(review):

            return review['content']

        text = jls\_extract\_def(review)

        blob = TextBlob(text)

        sentiment = blob.sentiment.polarity

        if sentiment > 0:

            sentiment\_label = "Positive"

        elif sentiment < 0:

            sentiment\_label = "Negative"

        else:

            sentiment\_label = "Neutral"

        rating = int(sentiment \* 5)

        writer.writerow([text, sentiment\_label, rating])

In this code first I use this library:

* csv: library is used to read and write CSV files.
* textblob: library is used to perform natural language processing tasks, such as sentiment analysis.(Text Processing )
* google\_play\_scraper: library is used to scrape reviews from the Google Play Store.

Variables I Used in Code

* package\_name: This variable stores the package name of the app that you want to get reviews. (Application Id From Play Store)
* output\_file: This variable stores the name of the CSV file that you want to save the reviews to.(named :- clubhouse\_reviews008)

The sentiment label for each review:

* textblob: library is used to perform natural language processing tasks, such as sentiment analysis.(Text Processing )

Here is an example of how the algorithm would work:

* Text: "I love this movie!"
* Sentiment score: 1
* Label: Positive
* Text: "This movie was terrible."
* Sentiment score: -1
* Label: Negative
* Text: "I thought the movie was okay."
* Sentiment score: 0
* Label: Neutral

if sentiment > 0:

sentiment\_label = "Positive"

elif sentiment < 0:

sentiment\_label = "Negative"

else:

sentiment\_label = "Neutral"

To save the reviews to the CSV file: CSV= Comma separated value

writer.writerow([text, sentiment\_label, rating])

**Output**

**Open CSV file upload on github repo**