

In [1]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

In [2]:

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

In [3]:

```
import spacy as sp
from spacy.tokenizer import Tokenizer
from spacy.tokenizer.factory import create_tokenizer
from spacy.tokenizer.factory import create_tokenizer

sentence = "I am lived with my parenmts "
correction = cb.t5_kes_corrector(sentence)

print(correction)
```

I am living with my parents.

In [4]:

```
if sentence == correction:
    print('True')
else:
    print('False')
```

False

In [5]:

df

Out[5]:

	text	star	app_id	reviewDate
0	Anathi Khanyile	5	com.fingersoft.hillclimb	18/03/21
1	Tony bahut funny hai Hill climbing racing my f...	5	com.fingersoft.hillclimb	18/03/21
2	Teturwu	1	com.fingersoft.hillclimb	18/03/21
3	Hoooooooooooooyaaaaaaaaa what a game ooooooooooooo...	5	com.fingersoft.hillclimb	18/03/21
4	This game is nice	5	com.fingersoft.hillclimb	18/03/21
...
29995	Plz my Vidos viral	5	video.like	21/03/21
29996	Nice	5	video.like	21/03/21
29997	Disturbing too much as YouTube ad	1	video.like	21/03/21
29998	Koub valo vai	5	video.like	21/03/21
29999	I want to grow my account	5	video.like	21/03/21

30000 rows × 4 columns

In [6]:

ll = df['text'].tolist()

In [7]:

ll

```

'It's nice n good app.',
'Too good',
'Great 👍',
'notices come in twice I only need them once',
'Very easy to use',
'Have had it forever, has not let me down yet!.',
'The best email provider in my eyes',
'No issues. Works well',
'Abcd',
'Very user friendly and I feel that my information is secure',
'This app used to be great but the last 3 days I have not been able acces
s my emails. Everytime I try to open an email the app kicks me out. I have
uninstalled and reinstalled the app but the same thing. Please fix this',
'5 stars',
'Very easy to use and understand',
'Very seldom have trouble with it.',
'Thank you so much. Free email apps.',
'Exelente 👍',
'Excellent service',
'Works well easy to use'

```

In [18]:

```
dff = df.head(100)
```

In [19]:

```
dff
```

Out[19]:

	text	star	app_id	reviewDate
0	Anathi Khanyile	5	com.fingersoft.hillclimb	18/03/21
1	Tony bahut funny hai Hill climbing racing my f...	5	com.fingersoft.hillclimb	18/03/21
2	Teturwu	1	com.fingersoft.hillclimb	18/03/21
3	Hoooooooooooooyaaaaaaaaa what a game ooooooooooooo...	5	com.fingersoft.hillclimb	18/03/21
4	This game is nice	5	com.fingersoft.hillclimb	18/03/21
...
95	They have really good stuff, I've just had a l...	4	com.alibaba.aliexpresshd	18/03/21
96	Amazing selection	5	com.alibaba.aliexpresshd	18/03/21
97	Totally satisfied with shipping time and produ...	5	com.alibaba.aliexpresshd	18/03/21
98	Very good	5	com.alibaba.aliexpresshd	18/03/21
99	Very good Shopping Apps	5	com.alibaba.aliexpresshd	18/03/21

100 rows × 4 columns

In [20]:

```
l11 = dff['text'].tolist()
```

In [21]:

```
from tqdm import tqdm
```

In [22]:

```
aa = []
for i in tqdm(l11):
    cc = cb.t5_kes_corrector(i)
    if i == cc:
        aa.append('True')
    else:
        aa.append('False')
```

100%|██████████| 100/100 [23:23<00:00, 14.04s/it]

In [24]:

```
dff['grammar'] = aa
```

C:\Users\udays\AppData\Local\Temp\ipykernel_9604\1541867202.py:1: SettingWithCopyWarning:

A value is trying to be set on a copy of a slice from a DataFrame.

Try using `.loc[row_indexer,col_indexer] = value` instead

See the caveats in the documentation: https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy (https://pandas.pydata.org/pandas-docs/stable/user_guide/indexing.html#returning-a-view-versus-a-copy)

```
dff['grammar'] = aa
```

In [25]:

```
dff
```

Out[25]:

	text	star	app_id	reviewDate	grammar
0	Anathi Khanyile	5	com.fingersoft.hillclimb	18/03/21	True
1	Tony bahut funny hai Hill climbing racing my f...	5	com.fingersoft.hillclimb	18/03/21	False
2	Teturwu	1	com.fingersoft.hillclimb	18/03/21	True
3	Hoooooooooooooooooyaaaaaaaaa what a game hooooooooooooo...	5	com.fingersoft.hillclimb	18/03/21	False
4	This game is nice	5	com.fingersoft.hillclimb	18/03/21	False
...
95	They have really good stuff, I've just had a l...	4	com.alibaba.aliexpresshd	18/03/21	True
96	Amazing selection	5	com.alibaba.aliexpresshd	18/03/21	False
97	Totally satisfied with shipping time and produ...	5	com.alibaba.aliexpresshd	18/03/21	False
98	Very good	5	com.alibaba.aliexpresshd	18/03/21	False
99	Very good Shopping Apps	5	com.alibaba.aliexpresshd	18/03/21	False

100 rows × 5 columns

In []: