

```
In [1]: import pandas as pd
import numpy as np
```

```
In [2]: from textblob import TextBlob
```

```
In [3]: datas=pd.read_csv('twitter_training[1].csv')
```

```
In [4]: datas.head()
```

```
Out[4]:
```

	2401	Borderlands	Positive	im getting on borderlands and i will murder you all ,
0	2401	Borderlands	Positive	I am coming to the borders and I will kill you...
1	2401	Borderlands	Positive	im getting on borderlands and i will kill you ...
2	2401	Borderlands	Positive	im coming on borderlands and i will murder you...
3	2401	Borderlands	Positive	im getting on borderlands 2 and i will murder ...
4	2401	Borderlands	Positive	im getting into borderlands and i can murder y...

```
In [5]: datas.isna().sum()
```

```
Out[5]:
```

2401	0
Borderlands	0
Positive	0
im getting on borderlands and i will murder you all ,	686

dtype: int64

```
In [6]: datas.dropna(inplace=True)
```

```
In [7]: TextBlob('I am coming to the borders and I will kill you').sentiment
```

```
Out[7]: Sentiment(polarity=0.0, subjectivity=0.0)
```

```
In [8]: TextBlob('I am coming to the borders and I will kill you').sentiment.polarity
```

```
Out[8]: 0.0
```

```
In [9]: datas.shape
```

```
Out[9]: (73995, 4)
```

```
In [10]: df=datas[0:73995]
```

```
In [11]: polarity=[]
for data in datas['im getting on borderlands and i will murder you all ,']:
    try:
        polarity.append(TextBlob(data).sentiment.polarity)
    except:
        polarity.append(0)
```

```
In [12]: polarity[0:10]
```

```
Out[12]: [0.0,
          0.0,
          0.0,
          0.0,
          0.0,
          0.284375,
          0.33571428571428574,
          0.18,
          0.284375,
          0.284375]
```

```
In [13]: datas['polarity']=polarity
```

```
In [14]: sh1=datas.head(20)
```

```
In [15]: sh1.head()
```

```
Out[15]:
```

	2401	Borderlands	Positive	im getting on borderlands and i will murder you all ,	polarity
0	2401	Borderlands	Positive	I am coming to the borders and I will kill you...	0.0
1	2401	Borderlands	Positive	im getting on borderlands and i will kill you ...	0.0
2	2401	Borderlands	Positive	im coming on borderlands and i will murder you...	0.0
3	2401	Borderlands	Positive	im getting on borderlands 2 and i will murder ...	0.0
4	2401	Borderlands	Positive	im getting into borderlands and i can murder y...	0.0

```
In [16]: positive_comment=datas[datas['polarity']==1]
```

```
In [18]: positive_comment.head()
```

```
Out[18]:
```

	2401	Borderlands	Positive	im getting on borderlands and i will murder you all ,	polarity
173	2430	Borderlands	Positive	Platinum is the best loot @Borderlands	1.0
174	2430	Borderlands	Positive	Platinum is the best booty @ Borderlands	1.0
175	2430	Borderlands	Positive	Platinum is the best lot @ Borderlands	1.0
176	2430	Borderlands	Positive	Platinum has the best loot @Borderlands	1.0
177	2430	Borderlands	Positive	Platinum Rock is named the best loot @Borderlands	1.0

```
In [20]: negative_comment=datas[datas['polarity']==-1]
```

```
In [21]: negative_comment.head()
```

Out[21]:

	2401	Borderlands	Positive	im getting on borderlands and i will murder you all ,	polarity
146	2425	Borderlands	Negative	"What terrible bitch!"	-1.0
1006	2578	Borderlands	Negative	made @EpicGames @2K why add crossplay for it 3...	-1.0
2068	2762	Borderlands	Negative	what is the horrible thing ever've ever made.....	-1.0
2500	1636	CallOfDutyBlackopsColdWar	Irrelevant	The dreaded Evil Bot •. sniper for @NioxSnipin...	-1.0
3365	1784	CallOfDutyBlackopsColdWar	Negative	. worst mastery camo to date	-1.0

In [120]...

negative_comment['im getting on borderlands and i will murder you all ,']

Out[120]:

```

146          "What terrible bitch!"
1006      made @EpicGames @2K why add crossplay for it 3...
2068      what is the horrible thing ever've ever made.....
2500      The dreaded Evil Bot •. sniper for @NioxSnipin...
3365          . worst mastery camo to date
...
72734      How could Nvidia Imagine Something THIS Insane...
74015          This is insane! Makes me want to upgrade my GPU
74018          This was insane! Makes me want to upgrade my GPU
74019          This is totally insane! 14 Makes me want to up...
74020          drive is insane! Makes me want to upgrade my GPU
Name: im getting on borderlands and i will murder you all ,, Length: 534, dtype: object

```

In [26]:

total=' '.join(negative_comment["im getting on borderlands and i will murder you all ,"])

In [27]:

total[1:1000]

Out[27]:

```

'What terrible bitch!" made @EpicGames @2K why add crossplay for it 3 if you weren
\'t gonna make it compatible for console? That was horrible what is the horrible t
hing ever\'ve ever made.. by @Borderlands @GearboxOfficial @MaxMittelman. The drea
ded Evil Bot •. sniper for @NioxSnipingYT •... . worst mastery camo to date Worst
domination of all time The worst macamos to date. . My worst mastery camo to date
I hope it isn\'t, because it\'s disgusting. Worst way to die in the The worst wa
y to die in the world The Worst Way to Die in Worst way to die among the Worst way
to die in America the This looks stupid!! Just going to say it there now: Cartel 1
2v12 is insane chaos! This is disgusting this is insane And they\'re terrible Betw
een apple & amazon ion know who the worst when it comes to taking my damn money Be
tween Apple and Amazon ions know who\'s worst when it comes to taking my damn mone
y Between apple & amazon ion know who the worst when it comes to taking my damn iP
hone Between my appl'

```

In [23]:

total2=' '.join(positive_comment["im getting on borderlands and i will murder you all ,"])

In [24]:

total2[1:500]

Out[24]:

```

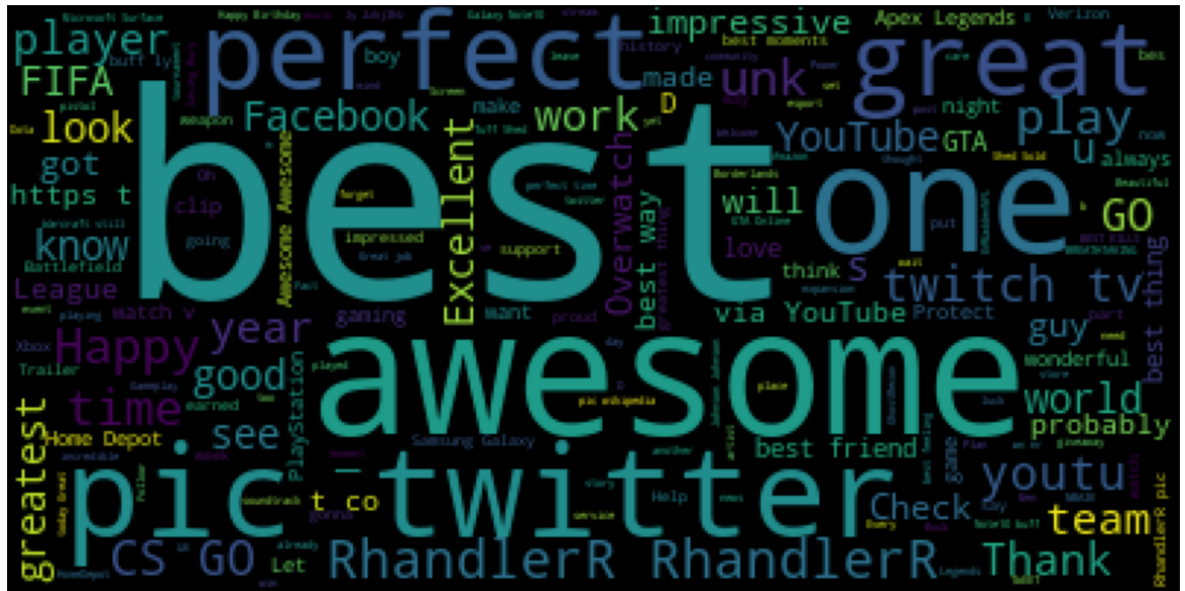
'latinum is the best loot @Borderlands Platinum is the best booty @ Borderlands
Platinum is the best lot @ Borderlands Platinum has the best loot @Borderlands Pla
tinum Rock is named the best loot @Borderlands Platinum is the best loot the best
borderlands character :y pic.twitter.com/XR9P3UrsqG Best border character: y pic.t
witter.com / XR9P3UrsqG best borderlands character: y pic.wikipedia.org / XR9P3Urs
qG best borderlands character :y pic.twitter.com/XR9P3UrsqG see best borderlands c
haracter'

```

In [176]...

import matplotlib.pyplot as plt

```
cloud = WordCloud(stopwords=set(STOPWORDS)).generate(total2)
plt.figure(figsize=(15, 10))
plt.imshow(cloud)
plt.axis('off')
plt.show()
```

[illegible]