	COMMENT_ID	AUTHOR	DATE	
0	z12pgdhovmrktzm3i23es5d5junftft3f	lekanaVEVO1	2014-07- 22T15:27:50	i love th
1	z13yx345uxepetggz04ci5rjcxeohzlrtf4	Pyunghee	2014-07- 27T01:57:16	http://wwv
2	z12lsjvi3wa5x1vwh04cibeaqnzrevxajw00k	Erica Ross	2014-07- 27T02:51:43	Hey guys

```
comment_words = ''
stopwords = set(STOPWORDS)
stopwords
{'a',
    'about',
    'above',
    'after',
```

'again', 'against', 'all', 'also',

```
'am',
'an',
'and',
'any',
'are',
"aren't",
'as',
'at',
'be',
'because',
'been',
'before',
'being',
'below',
'between',
'both',
'but',
'by',
'can',
"can't",
'cannot',
'com',
'could',
"couldn't",
'did',
"didn't",
'do',
'does',
"doesn't",
'doing',
"don't",
'down',
'during',
'each',
'else',
'ever',
'few',
'for',
'from',
'further',
'get',
'had',
"hadn't",
'has',
"hasn't",
'have',
"haven't",
'having',
'he',
"6214"
```

for val in df.CONTENT:

```
val = str(val)

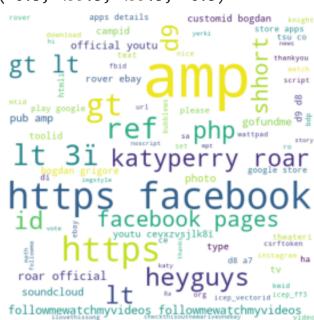
tokens = val.split()

for i in range(len(tokens)):
   tokens[i] = tokens[i].lower()

comment_words += "".join(tokens)+" "

wordcloud = WordCloud().generate(comment_words)
```

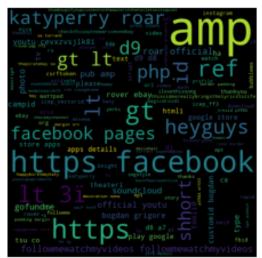
## (i) White Background Task



## (ii)Black Background Task

```
wordcloud = WordCloud(width=600, height=600, background_color="black", stopword
plt.figure(figsize=(4,4))
plt.imshow(wordcloud )
plt.axis("off")
```

C→ (-0.5, 599.5, 599.5, -0.5)



✓ 1s completed at 1:30 AM