

```
import pandas as pd
```

```
import matplotlib.pyplot as plt
```

```
from wordcloud import WordCloud, STOPWORDS
```

```
#url = "https://raw.githubusercontent.com/AmenaNajeeb/Data/master/nlp-KatyPerry"
```

```
df = pd.read_csv("https://raw.githubusercontent.com/AmenaNajeeb/Data/master/nlp")
```

```
df.shape
```

```
(350, 5)
```

```
df.head(5)
```

	COMMENT_ID	AUTHOR	DATE	
0	z12pgdhovmrktzm3i23es5d5junfft3f	lekanaVEVO1	2014-07-22T15:27:50	i love th
1	z13yx345uxepetggz04ci5rjcxehzlr4	Pyunghee	2014-07-27T01:57:16	http://www
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',  
"he'd"
```

```
for val in df.CONTENT:
```

(i) White Background Task

$$(-0.5, 499.5, 499.5, -0.5)$$


```
wordcloud = WordCloud(width=600, height=600, background_color="black", stopwords=stopwords)

plt.figure(figsize=(4,4))
plt.imshow(wordcloud )
plt.axis("off")
```

$$\boxed{\rightarrow} \quad (-0.5, 599.5, 599.5, -0.5)$$


✓ 1s completed at 1:30 AM

