Open json file with lyrics grouped by album

Ran previously to delete unnecessary and duplicate elements, and combine album lyrics

```
for album, songs in album_lyrics_obj.items():
In [ ]:
                if album == "taylor swift":
          2
          3
                     del songs[9:18]
                if album == "speak now":
          4
          5
                     del songs[11]
                if album == "red deluxe edition":
          6
          7
                    del songs[17:21]
          8
                if album == "1989 deluxe":
          9
                     del songs[12:15]
                if album == "reputation":
         10
         11
                     del songs[14:16]
         12
            for album, songs in album_lyrics_obj.items():
         13
                album lyrics = []
         14
         15
                for song in songs:
                     for word in song:
         16
         17
                         album_lyrics.append(word)
                album lyrics obj[album] = album lyrics
         18
         19
            with open("album lyrics 1.json", 'w') as f:
         20
         21
                     json.dump(album lyrics obj, f, indent=4)
```

Define function to split camelCase lyric string

Test the function to split camelCase string

```
In [4]: 1 print(split_camelcase('camelCaseXYZ'))
    ['camel', 'Case', 'XYZ']
```

Run function to split camelCase lyric strings

Remove double quotation marks

```
In [9]: 1 album_lyrics_obj
```

Merge individual word lists to create one list for each album

Save new json file with lyrics grouped by album

Define function to convert list of lyrics to string

Test the function to convert list of lyrics to string

```
In [14]: 1 list_to_string(['Hello', 'good', 'morning'])
Out[14]: 'hello good morning'
```

Define function to make wordcloud

```
In [16]:
           1 def make wordcloud(album, lyrics, mask, color):
           2
                 stopwords = set(STOPWORDS)
                 stopwords.update(["di", "n't", "oh", "ooh", "ai", "oooh", "wo", "mmmm", "mmmmmmm", "lyrics", "cl
           3
           4
           5
                 text = list to string(lyrics)
           6
                 wordcloud = WordCloud(font path="Arial", color func=lambda *args, **kwargs: color, min font size
           7
                 wordcloud.generate(text)
           8
           9
                 plt.imshow(wordcloud, interpolation='bilinear')
                 plt.axis("off")
          10
          11
                 plt.figure()
          12
                 filename = album + "_wordcloud_1.png"
         13
          14
                 wordcloud.to file("/Users/lindsaytubbs/Documents/GitHub/ts-lyrics/" + filename )
```

Create an object to specify attributes for make_wordcloud function

```
1 matches = [{"mask": "selftitled", "album": "taylor swift", "color": "deepskyblue"},
In [17]:
                         {"mask": "fearless", "album": "fearless", "color": "darkgoldenrod"},
           2
                         {"mask": "speaknow", "album": "speak now", "color": "darkmagenta"},
           3
                          {"mask": "red", "album": "red deluxe edition", "color": "darkred"},
           4
                         {"mask": "1989", "album": "1989 deluxe", "color": "blueviolet"},
           5
                         {"mask": "reputation", "album": "reputation", "color": "black"},
           6
           7
                         {"mask": "lover", "album": "lover", "color": "hotpink"},
           8
                         {"mask": "folklore", "album": "folklore", "color": "dimgray"},
                         {"mask": "evermore", "album": "evermore", "color": "forestgreen"}
           9
          10
```

Run function to make wordclouds for each element in the object



