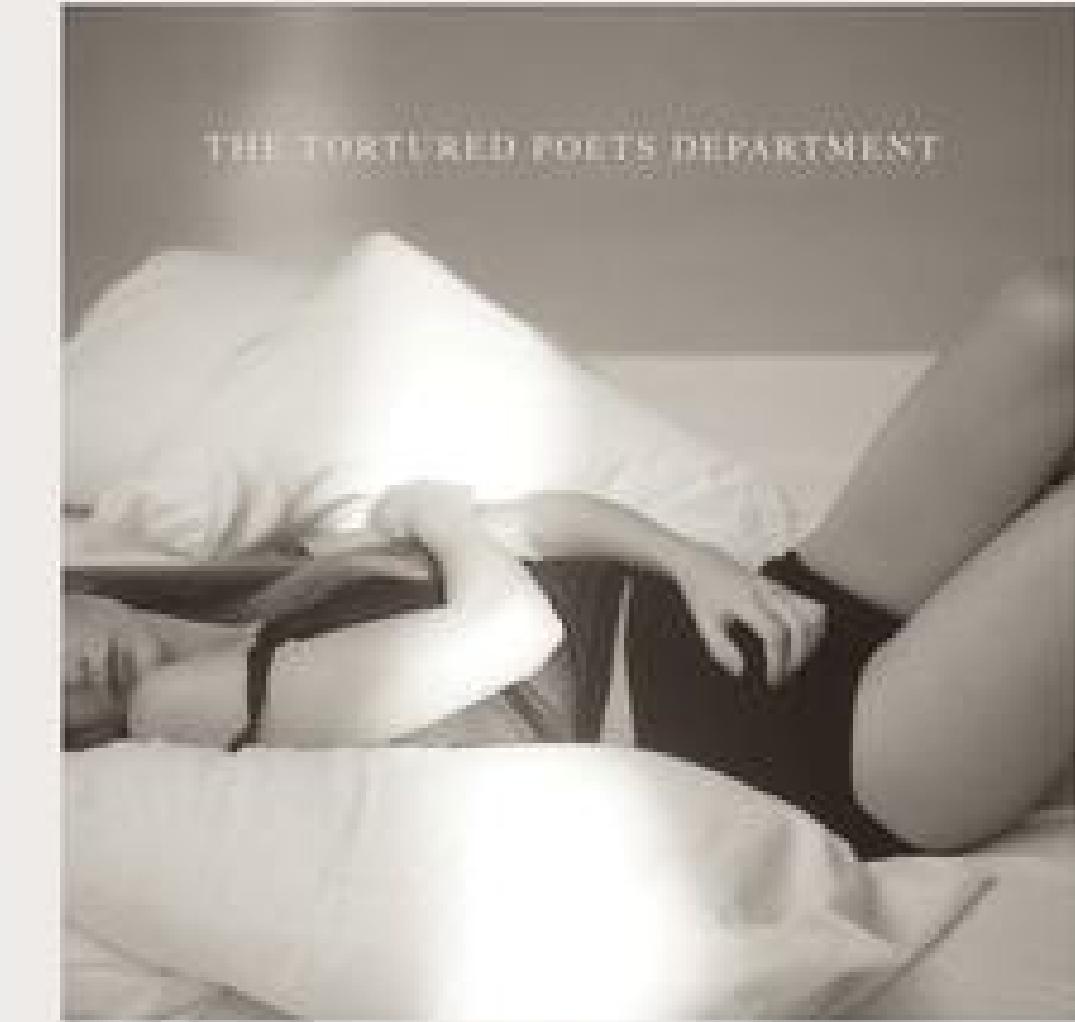
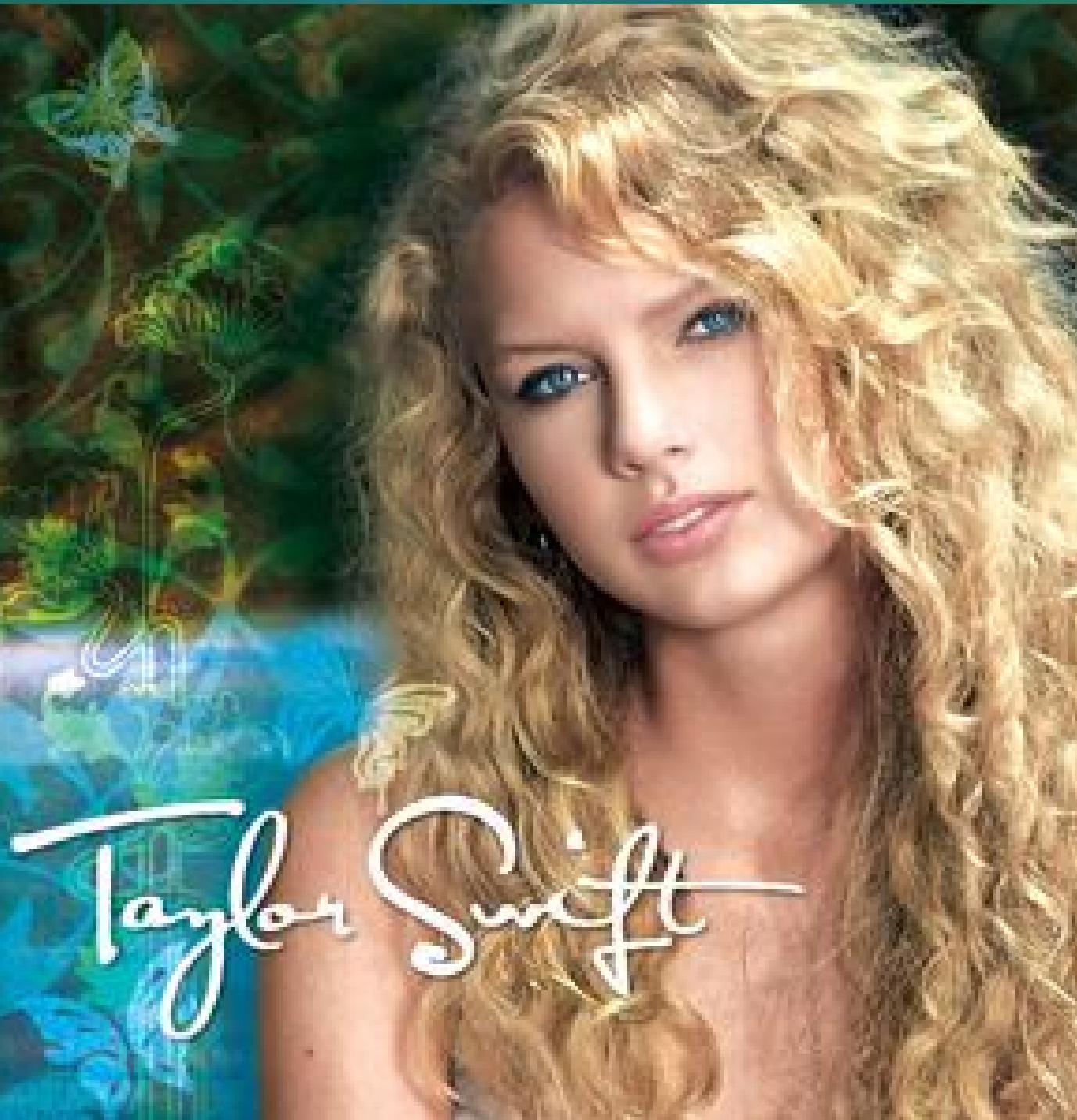


Unit 2 Project: Down Bad in 2006

by Maite Avila

The Idea (Maite's Version)



Scraping



Scraping (cont.)



jIEEAAYHjIGEAAYCBgeSKcKUKcCWPAHcAF4AZABAJgBvAKgAdENqgEHMC4zljMuMrgBA8gBAPgBAZgCA6ACrwPCAgQABiwAxjWBHHwgINEAAYgQYsAMYQxiKBcICDhAAGLADGOQCGNYE2AEBwgITEC4YgAQYsAMYQxjIAxiKBdgBAcICFhAuGIAEGLADGEMY1AIYyAMYigXYAQGYAwCIBgGQ8h06BgYIARABGAmsBwcxLjEuMC4xoAf6Qw&client=gws-wiz-serp")

```
18
19
20 # print(response.text[:500])
21
22 tim_soup_html = BeautifulSoup(tim_response.text, "html.parser")
23 picture_soup_html = BeautifulSoup(picture_response.text, "html.parser")
24 teardrops_soup_html = BeautifulSoup(teardrops_response.text, "html.parser")
25 place_soup_html = BeautifulSoup(place_response.text, "html.parser")
26 cold_soup_html = BeautifulSoup(cold_response.text, "html.parser")
27 outside_soup_html = BeautifulSoup(outside_response.text, "html.parser")
28 together smile_soup_html = BeautifulSoup(together smile_response.text, "html.parser")
29 staybeautiful_soup_html = BeautifulSoup(staybeautiful_response.text, "html.parser")
30 shouldvesaidno_soup_html = BeautifulSoup(shouldvesaidno_response.text, "html.parser")
31 marysong_soup_html = BeautifulSoup(marysong_response.text, "html.parser")
32 oursong_soup_html = BeautifulSoup(oursong_response.text, "html.parser")
33
34
35
36 tim_soup_text = tim_soup_html.get_text()
37 picture_soup_text = picture_soup_html.get_text()
38 teardrops_soup_text = teardrops_soup_html.get_text()
39 place_soup_text = place_soup_html.get_text()
40 cold_soup_text = cold_soup_html.get_text()
41 outside_soup_text = outside_soup_html.get_text()
42 together smile_soup_text = together smile_soup_html.get_text()
43 staybeautiful_soup_text = staybeautiful_soup_html.get_text()
44 shouldvesaidno_soup_text = shouldvesaidno_soup_html.get_text()
45 marysong_soup_text = marysong_soup_html.get_text()
46 oursong_soup_text = oursong_soup_html.get_text()
47
48
49
50 tim_data = open('tim-mcgraw.txt', 'w')
51 tim_data.write(tim_soup_text)
52 tim_data.close()
53
54 picture_data = open('picture-to-burn.txt', 'w')
55 picture_data.write(picture_soup_text)
56 picture_data.close()
57
58 teardrops_data = open('teardrops-on-my-guitar.txt', 'w')
59 teardrops_data.write(teardrops_soup_text)
60 teardrops_data.close()
61
62 place_data = open('a-place-in-this-world.txt', 'w')
63 place_data.write(place_soup_text)
64 place_data.close()
65
66 cold_data = open('cold-as-you.txt', 'w')
67 cold_data.write(cold_soup_text)
68 cold_data.close()
69
70 outside_data = open('the-outside.txt', 'w')
71 outside_data.write(outside_soup_text)
72 outside_data.close()
73
74 together smile_data = open('tied-together-with-a-smile.txt', 'w')
75 together smile_data.write(together smile_soup_text)
76 together smile_data.close()
77
78 staybeautiful_data = open('stay-beautiful.txt', 'w')
79 staybeautiful_data.write(staybeautiful_soup_text)
80 staybeautiful_data.close()
81
82 shouldvesaidno_data = open('shouldve-said-no.txt', 'w')
83 shouldvesaidno_data.write(shouldvesaidno_soup_text)
84 shouldvesaidno_data.close()
85
86 marysong_data = open('marys-song.txt', 'w')
87 marysong_data.write(marysong_soup_text)
88 marysong_data.close()
89
90 oursong_data = open('our-song.txt', 'w')
91 oursong_data.write(oursong_soup_text)
92 oursong_data.close()
```

clean up intermission

Let's Merge!



```
1 import os
2
3 # Define the folder path
4 folder_path = 'debut-scraper'
5 # Define the output file name
6 output_file = 'debut-songs.txt'
7
8 # Open the output file
9 with open(output_file, 'w') as outfile:
10    # Loop through all files in the folder
11    for filename in os.listdir(folder_path):
12        # Only process .txt files
13        if filename.endswith('.txt'):
14            file_path = os.path.join(folder_path, filename)
15            # Open each file and write its content to the output file
16            with open(file_path, 'r') as infile:
17                outfile.write(infile.read())
18                outfile.write('\n') # Add a newline to separate contents of each
19 file
20
21
22 # Define the folder path
23 folder_path = 'tppd-scraper'
24 # Define the output file name
25 output_file = 'tppd-songs.txt'
26
27 # Open the output file
28 with open(output_file, 'w') as outfile:
29    # Loop through all files in the folder
30    for filename in os.listdir(folder_path):
31        # Only process .txt files
32        if filename.endswith('.txt'):
33            file_path = os.path.join(folder_path, filename)
34            # Open each file and write its content to the output file
35            with open(file_path, 'r') as infile:
36                outfile.write(infile.read())
37                outfile.write('\n') # Add a newline to separate contents of each
38 file
39
40
```



1 She said, I was seven and you were nine
 2 I looked at you like the stars that shine
 3 In the sky, the pretty lights
 4 And our daddies used to joke about the two of us
 5 Growing up and falling in love and our mamas smiled
 6 And rolled their eyes and said oh my my my
 7 Take me back to the house in the backyard tree
 8 Said you'd beat me up, you were bigger than me
 9 You never did, you never did
 10 Take me back when our world was one block wide
 11 I dared you to kiss me and ran when you tried
 12 Just two kids, you and I
 13 Oh my my my my
 14 Well, I was sixteen when suddenly
 15 I wasn't that little girl you used to see
 16 But your eyes still shined like pretty lights
 17 And our daddies used to joke about the two of us
 18 They never believed we'd really fall in love
 19 And our mamas smiled and rolled their eyes
 20 And said oh my my my
 21 Take me back to the creek beds we turned up
 22 Two A.M. riding in your truck and all I need is you next to me
 23 Take me back to the time we had our very first fight
 24 The slamming of doors instead of kissing goodnight
 25 You stayed outside till the morning light
 26 Oh my my my my
 27 A few years had gone and come around
 28 We were sitting at our favorite spot in town
 29 And you locked at me, got down on one knee
 30 Take me back to the time when we walked down the aisle
 31 Our whole town came and our mamas cried
 32 You said I do and I did too
 33 Take me home where we met so many years before
 34 We'll rock our babies on that very front porch

35 After all this time, you and I
 36 I'll be eighty-seven; you'll be eighty-nine
 37 I'll still look at you like the stars that shine
 38 In the sky, oh my my my
 39 He said the way my blue eyes shined
 40 Put those Georgia stars to shame that night
 41 I said, "That's a lie"
 42 Just a boy in a Chevy truck
 43 That had a tendency of gettin' stuck
 44 On backroads at night
 45 And I was right there beside him all summer long
 46 And then the time we woke up to find that summer gone
 47 But when you think Tim McGraw
 48 I hope you think my favorite song
 49 The one we danced to all night long
 50 The moon like a spotlight on the lake
 51 When you think happiness
 52 I hope you think that little black dress
 53 Think of my head on your chest
 54 And my old faded blue jeans
 55 When you think Tim McGraw
 56 I hope you think of me
 57 September saw a month of tears
 58 And thanking God that you weren't here
 59 To see me like that
 60 But in a box beneath my bed
 61 Is a letter that you never read
 62 From three summers back
 63 It's hard not to find it all a little bittersweet
 64 And lookin' back on all of that, it's nice to believe
 65 When you think Tim McGraw

66 And I was right there beside him all summer long
 67 We'll rock our babies on that very front porch
 68 After all this time, you and I
 69 I'll be eighty-seven; you'll be eighty-nine
 70 I'll still look at you like the stars that shine
 71 In the sky, oh my my my
 72 He said the way my blue eyes shined
 73 Put those Georgia stars to shame that night
 74 I said, "That's a lie"
 75 Just a boy in a Chevy truck
 76 That had a tendency of gettin' stuck
 77 On backroads at night
 78 And I was right there beside him all summer long
 79 And then the time we woke up to find that summer gone
 80 But when you think Tim McGraw
 81 I hope you think my favorite song
 82 The one we danced to all night long
 83 The moon like a spotlight on the lake
 84 When you think happiness
 85 I hope you think that little black dress
 86 Think of my head on your chest
 87 And my old faded blue jeans
 88 When you think Tim McGraw
 89 I hope you think of me
 90 September saw a month of tears
 91 And thanking God that you weren't here
 92 To see me like that
 93 But in a box beneath my bed
 94 Is a letter that you never read
 95 From three summers back
 96 It's hard not to find it all a little bittersweet
 97 And lookin' back on all of that, it's nice to believe
 98 When you think Tim McGraw

merged!

...Take me back where we met so many years before
 34 We'll rock our babies on that very front porch
 35 After all this time, you and I
 36 I'll be eighty-seven; you'll be eighty-nine
 37 I'll still look at you like the stars that shine
 38 In the sky, oh my my my
 39 He said the way my blue eyes shined
 40 Put those Georgia stars to shame that night
 41 I said, "That's a lie"
 42 Just a boy in a Chevy truck
 43 That had a tendency of gettin' stuck
 44 On backroads at night
 45 And I was right there beside him all summer long
 46 And then the time we woke up to find that summer gone
 47 But when you think Tim McGraw
 48 I hope you think my favorite song
 49 The one we danced to all night long
 50 The moon like a spotlight on the lake
 51 When you think happiness
 52 I hope you think that little black dress
 53 Think of my head on your chest
 54 And my old faded blue jeans
 55 When you think Tim McGraw
 56 I hope you think of me
 57 September saw a month of tears
 58 And thanking God that you weren't here
 59 To see me like that
 60 But in a box beneath my bed
 61 Is a letter that you never read
 62 From three summers back
 63 It's hard not to find it all a little bittersweet
 64 And lookin' back on all of that, it's nice to believe
 65 When you think Tim McGraw

66 And I was right there beside him all summer long
 67 We'll rock our babies on that very front porch
 68 After all this time, you and I
 69 I'll be eighty-seven; you'll be eighty-nine
 70 I'll still look at you like the stars that shine
 71 In the sky, oh my my my
 72 He said the way my blue eyes shined
 73 Put those Georgia stars to shame that night
 74 I said, "That's a lie"
 75 Just a boy in a Chevy truck
 76 That had a tendency of gettin' stuck
 77 On backroads at night
 78 And I was right there beside him all summer long
 79 And then the time we woke up to find that summer gone
 80 But when you think Tim McGraw
 81 I hope you think my favorite song
 82 The one we danced to all night long
 83 The moon like a spotlight on the lake
 84 When you think happiness
 85 I hope you think that little black dress
 86 Think of my head on your chest
 87 And my old faded blue jeans
 88 When you think Tim McGraw
 89 I hope you think of me
 90 September saw a month of tears
 91 And thanking God that you weren't here
 92 To see me like that
 93 But in a box beneath my bed
 94 Is a letter that you never read
 95 From three summers back
 96 It's hard not to find it all a little bittersweet
 97 And lookin' back on all of that, it's nice to believe
 98 When you think Tim McGraw

99 Oh, think of me

let's markov!

markoving (v1)



```
1 # import markovify
2
3 # # Load text for TTPD album
4 # text = open("tppd-songs.txt").read()
5 # generator = markovify.Text(text, well_formed=False) # Enables more diverse sentence
6 structures
7 # # Generate paragraph for TTPD album
8 # paragraph = ""
9 # for i in range(10):
10 #     paragraph += str(generator.make_short_sentence(390))
11 #     paragraph += " "
12
13 # print("\n\n\n")
14 # print(paragraph)
15 # print("\n\n\n")
16
17 # # Load text for Debut album
18 # text = open("debut-songs.txt").read()
19 # generator = markovify.Text(text, well_formed=False) # More diverse sentence structures
20
21 # # Generate paragraph for Debut album
22 # paragraph = ""
23 # for i in range(10):
24 #     paragraph += str(generator.make_short_sentence(390))
25 #     paragraph += " "
26
27 # print("\n\n\n")
28 # print(paragraph)
29 # print("\n\n\n")
```

- original code
- ok results
- mostly incoherent

markoving (v2)

```
1 import markovify # Import the Markovify library for text generation
2
3 # Load text for TTPD album
4 text = open("tppd-songs.txt").read() # Open the file 'tppd-songs.txt' and read
5
6 # Create a Markov model using the text, setting state_size to 2 for optimized coherence
7 generator = markovify.Text(text, state_size=2, well_formed=False) # well_formed=False allows for more diverse
8   sentence structures
9
10 # Generate a paragraph with 10 sentences for the TTPD album
11 paragraph = "" # Empty string to store generated paragraph
12 for i in range(10): # Loop 10 times to generate 10 sentences
13     paragraph += str(generator.make_short_sentence(390)) # Generate a short sentence with max length of 390
14       characters and add to paragraph
15     paragraph += " " # Add a space after each sentence
16
17 # Print the generated paragraph
18 print("\n\n\n") # Print new lines
19 print(paragraph) # Print the generated paragraph for TTPD album
20 print("\n\n\n") # Print new lines
21
22 #Same thing for Debut album
23 text = open("debut-songs.txt").read() # Open the file 'debut-songs.txt' and read
24
25 generator = markovify.Text(text, state_size=2, well_formed=False)
26
27 # Generate a paragraph
28 paragraph = ""
29 for i in range(10):
30     paragraph += str(generator.make_short_sentence(300))
31     paragraph += " "
32
33 print("\n\n\n")
34 print(paragraph)
35 print("\n\n\n")
```

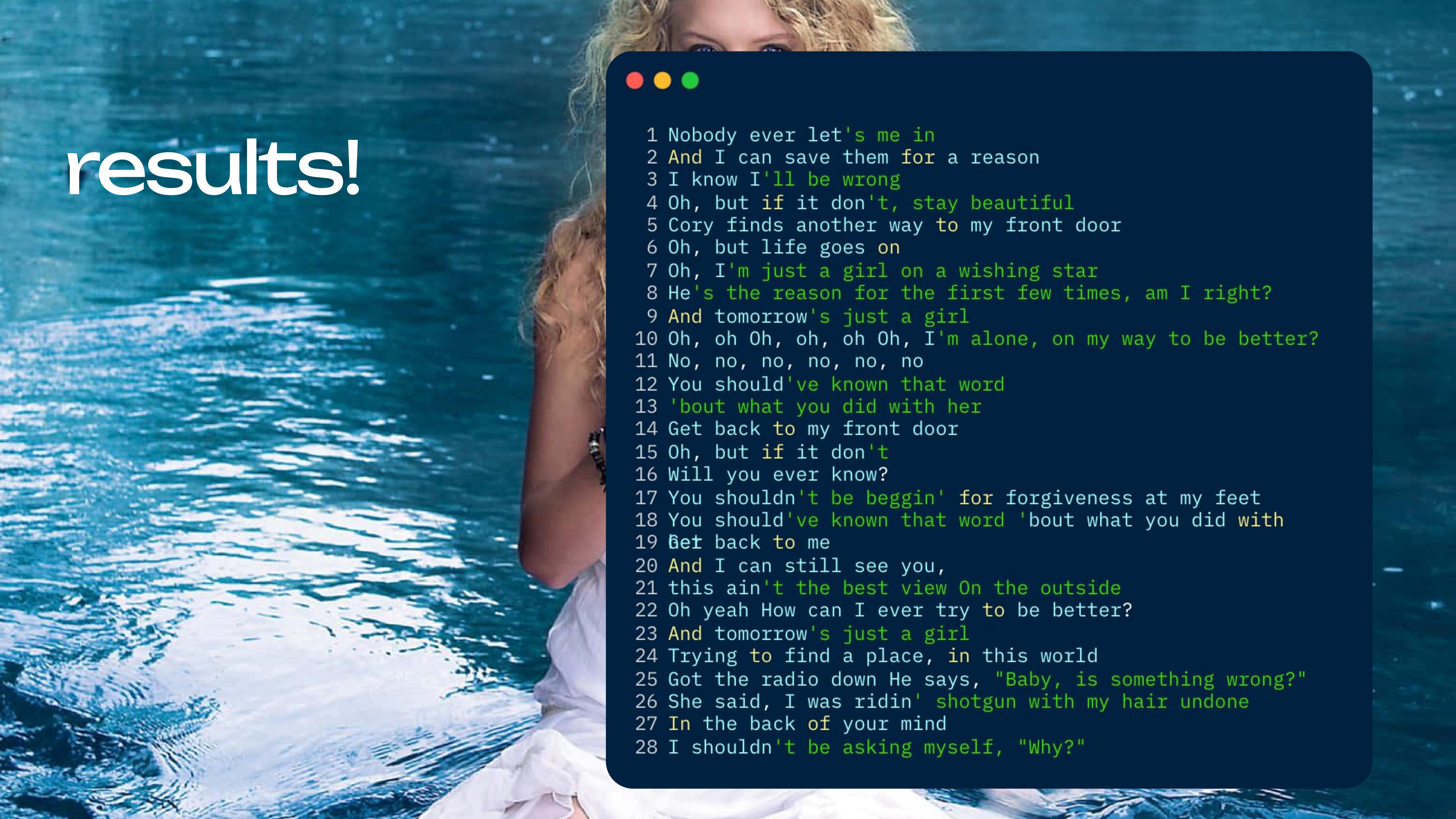
- **state_size for the win!**

results!



1 How can all you think I was chanting, "More"
2 I go again. One slip and I just die, it
3 With a paradox I'm back?
4 Were revolting and ceilings
5 In public, showed me like I'm having his skin
6 How I can't get up 'Nother fortnight lost my mind?
7 Who's afraid of this be to hell, too much tragedy?
8 So long, London You'll find someone who are beautiful,
9 fuck me shattered as bad
10 What if I would've died down bad thoughts
11 Only your street
12 Crash the attack But I'm winning,
13 I be guilty as the time
14 Was any measure of fresh air through smoke rings
15 Take the slammer, I never say it's just repeating myself crazy but you
16 For a halo of me?
17 In the one gun You'll slide into rekindled flames?
18 Oh, my life
19 I touched you fall asleep Like a sleeper cell spy?
20 I haven't come around in her teeth
21 Who's afraid of little old town
22 You'll confess why it's romantic
23 Leaving me safe and I leap from the charges too much sad did you
24 I'm telling him to hurt me
25 Honestly, who else decodes you?
26 You smoked, then ate seven bars of his mouth
27 Like a record scratch as hell of little old me?
28 Cause he was no difference.

results!



1 Nobody ever let's me in
2 And I can save them for a reason
3 I know I'll be wrong
4 Oh, but if it don't, stay beautiful
5 Cory finds another way to my front door
6 Oh, but life goes on
7 Oh, I'm just a girl on a wishing star
8 He's the reason for the first few times, am I right?
9 And tomorrow's just a girl
10 Oh, oh Oh, oh, oh Oh, I'm alone, on my way to be better?
11 No, no, no, no, no, no
12 You should've known that word
13 'bout what you did with her
14 Get back to my front door
15 Oh, but if it don't
16 Will you ever know?
17 You shouldn't be beggin' for forgiveness at my feet
18 You should've known that word 'bout what you did with
19 Get back to me
20 And I can still see you,
21 this ain't the best view On the outside
22 Oh yeah How can I ever try to be better?
23 And tomorrow's just a girl
24 Trying to find a place, in this world
25 Got the radio down He says, "Baby, is something wrong?"
26 She said, I was ridin' shotgun with my hair undone
27 In the back of your mind
28 I shouldn't be asking myself, "Why?"

final thoughts!

the end