

```

92 x = the_list
93 for i in range(length):
94     for j in range(length):
95         if x[the_list_index[i]] > x[the_list_index[j]]:
96             swap = the_list_index[i]
97             the_list_index[i] = the_list_index[j]
98             the_list_index[j] = swap
99
100
101 return the_list_index
102
103
104 def response_from_bot(user_input):
105     user_input = user_input.lower()
106     dataset_tokenize.append(user_input)
107
108     talkie = ""
109     cm = CountVecorizer().fit_transform(dataset_tokenize)
110     similarity_scores = cosine_similarity(cm[-1],cm)
111     similarity_scores_list = similarity_scores.flatten()
112
113     index = index_sort(similarity_scores_list)
114     index = index[1:]
115
116     find_response = 0
117
118     f = 0
119     for i in range(len(index)):
120         if similarity_scores_list[index[i]] > 0.0:
121             talkie = talkie + "" + dataset_tokenize[index[i]]
122             find_response = 1
123             f = f+1
124
125         if f>2:
126             break
127
128     if find_response==0:
129         talkie = talkie +""+ random.choice(["Sorry, i didn't get that","Sorry, can't understand you",

```

```

96
97         swap = the_list_index[i]
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120         if similarity_scores_list[index[i]] > 0.0:
121             talkie = talkie + "" + dataset_tokenize[index[i]]
122             find_response = 1
123             f = f+1
124
125         if f>2:
126             break
127
128     if find_response==0:
129         talkie = talkie +""+ random.choice(["Sorry, i didn't get that","Sorry, can't understand you",
130                                             "Please give me a succinct info, I don't seem to get you", "Not sure I under
131
132
133     dataset_tokenize.remove(user_input)

```

Name	Type	Size	V
sent_token2	list	1363	['['He
sent_token3	list	2129	['['Do
tracemalloc_domain	int	1	389047
typeDict	dict	152	{'':t
user_input	str	1	i have headac
welcome_message	NoneType	1	NoneTy

Variable explorer File explorer Help

IPython console

Console I/A

I'm COVID-talkie, you chat with me on anything on COVID-19

hello

COVID-talkie:how are you

i have headache

COVID-talkie: \n', '\n', '\n', 'Description\n', 'I have a throat problem and headache.Now I have a runny nose (which i didn't have before) and I still have a tickle.I strepsills original.\n', '\n', 'Patient:\n', 'I have a throat problem and headache.

Name	Type	Size	V
Patient	list	622	['Hell
ScalarType	tuple	32	(type,
cast	core.numrictypes._typedict	24	_typed
dataset_tokenize	list	4492	['['\n
e	float	1	2.7182
euler_gamma	float	1	0.5772

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IPython console

Console I/A

I'm COVID-talkie, you chat with me on anything on COVID-19

hi

COVID-talkie:hi there, how can I help?hi there!

itchiness in throat and shortness of breath

COVID-talkie: I have difficulty breathing (shortness of breath), tightness in chest, sore throat and light fever.I have difficulty breathing (shortness of breath), tightness in chest, sore throat and light fever.First, I wanna know if my immune system is weakened and how likely am I to die of Coronavirus.\n', 'Second, I have itchiness in my throat and shortness of breath.

bye!

COVID-talkie: See you!

In [9]: |

IPython console History log