m10_solucion

February 18, 2024

1 Ejercicio – Python Comprehension, Declaraciones Condicionales y Pruebas de Afiliación

Juliho Castillo Colmenares

https://github.com/julihocc/ebac-python-backend

1.1 Instrucciones

Retomemos el ejercicio de M7. Crea un Jupyter Notebook para el ejercicio, usa la variable my_list para que obtener una lista de diccionarios con las llaves "artista" y "canción" y luego imprime los resultados Puntos extra si utilizas list comprehension

```python
import requests
print("Lista de Reproducción\n")
# Referencia: https://www.deezer.com/en/channels/explore
print("Ingresa la palabra que te gustaría")
print("Ejemplo: 'rock', y obtendrás un playlist de canciones o artistas que␣
 ↪incluyan la palabra rock")
# word_to_search = input()
word_to_search = "rock"
url = "https://deezerdevs-deezer.p.rapidapi.com/search"
querystring = {"q":word_to_search}
headers = {
"X-RapidAPI-Key": "3ed98f551fmshe4e6260228c4eadp13db17jsn8c893e1194da",
"X-RapidAPI-Host": "deezerdevs-deezer.p.rapidapi.com"
}
response = requests.request("GET", url, headers=headers, params=querystring).
 ↪json()
my_list = []
for element in response['data']:
    my_list.append([element['title'], element['artist']['name']])
print(my_list)
```

Lista de Reproducción

Ingresa la palabra que te gustaría
Ejemplo: 'rock', y obtendrás un playlist de canciones o artistas que incluyan la
palabra rock

[['Rock', 'Olamide'], ['Rock', 'Plies'], ['The Rock (From "The Rock")', 'The City of Prague Philharmonic Orchestra'], ['Rock', 'Stixx'], ['ROCK (feat. Le Juiice)', 'Lithium'], ['Rock', 'CraXkler'], ['ROCK', 'Stray Kids'], ['Rocks', 'Jerome Sandero'], ['ROCK', 'Stray Kids'], ['Rock My Body', 'R3HAB'], ['Rocky', 'Still Woozy'], ['_____ Rock ___ (2/3)', "C'typeencostume"], ['I Am Rock', 'Rock'], ['Rock Your Body', 'Justin Timberlake'], ['All Summer Long', 'Kid Rock'], ['rock hudson', 'Kelly Clarkson'], ['Rock or Bust', 'AC/DC'], ['Roce', 'Mark B.'], ['Black Block', 'neumodel'], ['_____ Rock ___ (2/3)', "C'typeencostume"], ['Rock U', 'VINNE'], ['Divine excuse', 'Pleymo'], ['Rock It', 'Ofenbach'], ['The Rock', 'WWE & Jim Johnston'], ['Rock the Casbah (Remastered)', 'The Clash']]

1.2 Solución

```python
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# Referencia: https://www.deezer.com/en/channels/explore
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"X-RapidAPI-Host": "deezerdevs-deezer.p.rapidapi.com"
}
response = requests.request("GET", url, headers=headers, params=querystring).
 ↪json()
response['data'][-1]
```

Lista de Reproducción

Ingresa la palabra que te gustaría
Ejemplo: 'rock', y obtendrás un playlist de canciones o artistas que incluyan la palabra rock

```
[ ]: {'id': 69962765,
   'readable': True,
   'title': 'Rock the Casbah (Remastered)',
   'title_short': 'Rock the Casbah',
   'title_version': '(Remastered)',
   'link': 'https://www.deezer.com/track/69962765',
   'duration': 222,
   'rank': 755771,
   'explicit_lyrics': False,
   'explicit_content_lyrics': 0,
```

```
  'explicit_content_cover': 0,
  'preview': 'https://cdns-
preview-4.dzcdn.net/stream/c-43fbd5c94fdca0ee098cda286e1b9610-2.mp3',
  'md5_image': 'dcb57e195538467662fbce4492f89c20',
  'artist': {'id': 2,
   'name': 'The Clash',
   'link': 'https://www.deezer.com/artist/2',
   'picture': 'https://api.deezer.com/artist/2/image',
   'picture_small': 'https://e-cdns-images.dzcdn.net/images/artist/82a5fe6ba783cf
618d5394ae0b8129b9/56x56-000000-80-0-0.jpg',
   'picture_medium': 'https://e-cdns-images.dzcdn.net/images/artist/82a5fe6ba783c
f618d5394ae0b8129b9/250x250-000000-80-0-0.jpg',
   'picture_big': 'https://e-cdns-images.dzcdn.net/images/artist/82a5fe6ba783cf61
8d5394ae0b8129b9/500x500-000000-80-0-0.jpg',
   'picture_xl': 'https://e-cdns-images.dzcdn.net/images/artist/82a5fe6ba783cf618
d5394ae0b8129b9/1000x1000-000000-80-0-0.jpg',
   'tracklist': 'https://api.deezer.com/artist/2/top?limit=50',
   'type': 'artist'},
  'album': {'id': 6861104,
   'title': 'Combat Rock (Remastered)',
   'cover': 'https://api.deezer.com/album/6861104/image',
   'cover_small': 'https://e-cdns-images.dzcdn.net/images/cover/dcb57e19553846766
2fbce4492f89c20/56x56-000000-80-0-0.jpg',
   'cover_medium': 'https://e-cdns-images.dzcdn.net/images/cover/dcb57e1955384676
62fbce4492f89c20/250x250-000000-80-0-0.jpg',
   'cover_big': 'https://e-cdns-images.dzcdn.net/images/cover/dcb57e195538467662f
bce4492f89c20/500x500-000000-80-0-0.jpg',
   'cover_xl': 'https://e-cdns-images.dzcdn.net/images/cover/dcb57e195538467662fb
ce4492f89c20/1000x1000-000000-80-0-0.jpg',
   'md5_image': 'dcb57e195538467662fbce4492f89c20',
   'tracklist': 'https://api.deezer.com/album/6861104/tracks',
   'type': 'album'},
  'type': 'track'}
```

```python
# Solución
output = [{'artist': element['artist']['name'], 'song': element['title']} for
 element in response['data']]
output[-1]
```

```
{'artist': 'The Clash', 'song': 'Rock the Casbah (Remastered)'}
```

[ ]: