⌄ API

```python
import requests

url = "https://youtube-search-and-download.p.rapidapi.com/trending"

querystring = {"type":"mu","hl":"en","gl":"US"}

headers = {
	"X-RapidAPI-Key": "8960a4842fmsh6ca43d214b1cc02p184fc6jsn1bf04361444d",
	"X-RapidAPI-Host": "youtube-search-and-download.p.rapidapi.com"
}

response = requests.get(url, headers=headers, params=querystring)

print(response.json())
```

```
{'contents': [{'video': {'channelId': 'UCSDvKdIQOwTfcyOimSi9oYA', 'channelName': 'Future', 'lengthText': '4:30',
```

⌄ MODIFIED API

```python
import requests
import pandas as pd
from pandas import json_normalize

url = "https://youtube-search-and-download.p.rapidapi.com/trending"
```

```
url = "https://youtube-search-and-download.p.rapidapi.com/trending"

querystring = {"type": "mu", "hl": "en", "gl": "US"}

headers = {
    "X-RapidAPI-Key": "8960a4842fmsh6ca43d214b1cc02p184fc6jsn1bf04361444d",
    "X-RapidAPI-Host": "youtube-search-and-download.p.rapidapi.com"
}

response = requests.get(url, headers=headers, params=querystring)

# Flatten nested structures and convert JSON data to DataFrame
df = json_normalize(response.json(), 'contents', errors='ignore')

# Display DataFrame
print(df)
```

```
                video.channelId            video.channelName video.lengthText  \
0     UCSDvKdIQOwTfcyOimSi9oYA                       Future             4:30
1     UCuHzBCaKmtaLcRAOoazhCPA                      Beyoncé             3:19
2     UC1NZP8d-VFjV-kKSo6lDBig                 BossMan Dlow             3:12
3     UCSDvKdIQOwTfcyOimSi9oYA                       Future             3:49
4     UCx0lY_L_o5vFPQaLAdBasmQ                 Xavi Oficial             3:15
5     UCSDvKdIQOwTfcyOimSi9oYA                       Future             3:25
6     UCuHzBCaKmtaLcRAOoazhCPA                      Beyoncé             3:38
7     UCio_FVgKVgqcHrRiXDpnqbw               Camila Cabello             3:32
8     UCqwUnggBBct-AY2lAdI88jQ                  BABYMONSTER             2:56
9     UCtxdfwb9wfkoGocVUAJ-Bmg                 Travis Scott             3:30
10    UClW4jraMKz6Qj69lJf-tODA   YoungBoy Never Broke Again             2:30
11    UCzrM_068Odho89mTRrrxqbA                   Peso Pluma             3:16
12    UCuHzBCaKmtaLcRAOoazhCPA                      Beyoncé             2:20
13    UCYLNGLIzMhRTi6ZOLjAPSmw                      Shakira             2:50
14    UCQoJDcgPuMOfrZmPsZXVIuw                        iZaak             4:39
```

```
15    UCYLNGLIzMhRTi6ZOLjAPSmw               Shakira          3:08
16    UCSXRhf5E93q5bjELatiwk_w              Juvenile          4:22
17    UCxMAbVFmxKUVGAll0WVGpFw               Cardi B          2:36
18    UCwAam3W_VLfb6mEKPW2nDFg                Hozier          4:12
19    UCy3zgWom-5AGypGX_FVTKpg       Olivia Rodrigo          3:05
20    UCC8FSfSnbjiZ6vGr68ZLtzg                 bbno$          3:10
21    UCBQZwaNPFfJ1gZ1fLZpAEGw      twenty one pilots        4:09
22    UCZUl_haJHBu7KF6dU8iwC_g     Yailin La Mas Viral       3:34
23    UCUebubwSuTHfHjWJI4gCS9A         Joyner Lucas          4:43
24    UC3IZKseVpdzPSBaWxBxundA          HYBE LABELS          4:01
25    UCqfqdCqPHxgtdJ0m32obDiw             YTB Fatt          2:31
26    UCFLI6KAjrKRtydD7KqiYvAw        FUERZA REGIDA          2:40
27    UC3IZKseVpdzPSBaWxBxundA          HYBE LABELS          3:09
28    UCFYCe_sSF_-gbPhAOvRCHew          Ot7 QUANNY           2:25

   video.publishedTimeText                             video.thumbnails  \
0            10 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
1             3 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
2             6 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
3             9 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
4            10 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
5             7 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
6             3 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
7             5 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
8              1 day ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
9              1 day ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
10            6 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
11           10 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
12            3 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
13            6 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
14            4 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
15           10 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
16            5 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
17           2 weeks ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
18           10 days ago    [{'height': 118, 'url': 'https://i.ytimg.com/v...
```

```
19        10 days ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
20         7 days ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
21         5 days ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
22         2 days ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
23        2 weeks ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
24       10 hours ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
25         6 days ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
26        11 days ago   [{'height': 118, 'url': 'https://i.ytimg.com/v...
```

`df`

	video.channelId	video.channelName	video.lengthText	video.publishedTimeText	video.thumbnails
0	UCSDvKdIQOwTfcyOimSi9oYA	Future	4:30	10 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
1	UCuHzBCaKmtaLcRAOoazhCPA	Beyoncé	3:19	3 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
2	UC1NZP8d-VFjV-kKSo6lDBig	BossMan Dlow	3:12	6 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
3	UCSDvKdIQOwTfcyOimSi9oYA	Future	3:49	9 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
4	UCx0lY_L_o5vFPQaLAdBasmQ	Xavi Oficial	3:15	10 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...

5	UCSDvKdIQOwTfcyOimSi9oYA	Future	3:25	7 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
6	UCuHzBCaKmtaLcRAOoazhCPA	Beyoncé	3:38	3 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
7	UCio_FVgKVgqcHrRiXDpnqbw	Camila Cabello	3:32	5 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
8	UCqwUnggBBct-AY2lAdI88jQ	BABYMONSTER	2:56	1 day ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
9	UCtxdfwb9wfkoGocVUAJ-Bmg	Travis Scott	3:30	1 day ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
10	UClW4jraMKz6Qj69lJf-tODA	YoungBoy Never Broke Again	2:30	6 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
11	UCzrM_068Odho89mTRrrxqbA	Peso Pluma	3:16	10 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
12	UCuHzBCaKmtaLcRAOoazhCPA	Beyoncé	2:20	3 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...
13	UCYLNGLIzMhRTi6ZOLjAPSmw	Shakira	2:50	6 days ago	[{'height': 118, 'url': 'https://i.ytimg.com/v...

| 14 | UCQoJDcgPuMOfrZmPsZXVIuw | iZaak | 4:39 | 4 days ago | [{'height': 118, 'url': 'https://i.ytimg.com/v... |
| 15 | UCYLNGLIzMhRTi6ZOLjAPSmw | Shakira | 3:08 | 10 days ago | [{'height': 118, 'url': 'https://i.ytimg.com/v... |