

# api

July 12, 2024

```
[1]: import pandas as pd
import requests
```

```
[6]: response = requests.get('https://api.themoviedb.org/3/movie/top_rated?
    ↪api_key=8265bd1679663a7ea12ac168da84d2e8&language=en-US&page=1')
```

```
[7]: temp_df = pd.DataFrame(response.
    ↪json()['results'])[['id', 'title', 'overview', 'release_date', 'popularity', 'vote_average', 'vote_count']]
```

```
[34]: df.head()
```

```
[34]:      id      title \
0   19404  Dilwale Dulhania Le Jayenge
1  724089  Gabriel's Inferno Part II
2    278    The Shawshank Redemption
3    238    The Godfather
4  761053  Gabriel's Inferno Part III
```

```
      overview release_date  popularity \
0  Raj is a rich, carefree, happy-go-lucky second...  1995-10-20    18.433
1  Professor Gabriel Emerson finally learns the t...  2020-07-31     8.439
2  Framed in the 1940s for the double murder of h...  1994-09-23   65.570
3  Spanning the years 1945 to 1955, a chronicle o...  1972-03-14   63.277
4  The final part of the film adaption of the ero...  2020-11-19   26.691
```

```
      vote_average  vote_count
0           8.7         2763
1           8.7         1223
2           8.7        18637
3           8.7        14052
4           8.7          773
```

```
[17]: df = pd.DataFrame()
```

```
[18]: df
```

```
[18]: Empty DataFrame
Columns: []
```

Index: []

```
[19]: for i in range(1,429):
        response = requests.get('https://api.themoviedb.org/3/movie/top_rated?
        ↪api_key=8265bd1679663a7ea12ac168da84d2e8&language=en-US&page={}'.format(i))
        temp_df = pd.DataFrame(response.
        ↪json()['results']))[['id', 'title', 'overview', 'release_date', 'popularity', 'vote_average', 'vote_count']]
        df = df.append(temp_df, ignore_index=True)
```

```
[21]: df
```

```
[21]:
```

	id	title \	overview	release_date \	popularity	vote_average	vote_count
0	19404	Dilwale Dulhania Le Jayenge					
1	724089	Gabriel's Inferno Part II					
2	278	The Shawshank Redemption					
3	238	The Godfather					
4	761053	Gabriel's Inferno Part III					
...	...	...					
8546	13805	Disaster Movie					
8547	5491	Battlefield Earth					
8548	14164	Dragonball Evolution					
8549	11059	House of the Dead					
8550	40016	Birdemic: Shock and Terror					
0			Raj is a rich, carefree, happy-go-lucky second...	1995-10-20			
1			Professor Gabriel Emerson finally learns the t...	2020-07-31			
2			Framed in the 1940s for the double murder of h...	1994-09-23			
3			Spanning the years 1945 to 1955, a chronicle o...	1972-03-14			
4			The final part of the film adaption of the ero...	2020-11-19			
...			...	...			
8546			The filmmaking team behind the hits "Scary Mov...	2008-08-29			
8547			In the year 3000, man is no match for the Psyc...	2000-05-12			
8548			The young warrior Son Goku sets out on a quest...	2009-03-12			
8549			Set on an island off the coast, a techno rave ...	2003-04-11			
8550			A platoon of eagles and vultures attacks the r...	2010-02-27			
0					18.433	8.7	2763
1					8.439	8.7	1223
2					65.570	8.7	18637
3					63.277	8.7	14052
4					26.691	8.7	773
...					...	...	...
8546					14.630	3.2	714
8547					10.647	3.0	543

8548	32.244	2.8	1447
8549	14.502	2.8	238
8550	9.824	2.2	215

[8551 rows x 7 columns]

```
[22]: df.shape
```

```
[22]: (8551, 7)
```

```
[23]: df.to_csv('movies.csv')
```

```
[ ]:
```