

LAB TEST-1

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TASK-1:

PROMPT:

CODE GENERATED:

code-1:

```
examt1.py ×
examt1.py
5 # Fetch the TMDb API key from environment variables
6 API_KEY = os.getenv('TMDB_API_KEY', '0c684301b0330b9fa459310911a03201') # Replace with your key if needed
7 BASE_URL = 'https://api.themoviedb.org/3/trending/movie/day'
8
9 def fetch_top_trending_movies(api_key, count=5):
10     """
11     Fetches the top trending movies from TMDb API.
12
13     Args:
14         api_key (str): The API key for TMDb.
15         count (int): The number of movies to display.
16
17     Returns:
18         None: Prints the movie titles and ratings.
19     """
20     params = {'api_key': api_key}
21
22     try:
23         response = requests.get(BASE_URL, params=params)
24         response.raise_for_status() # Raise error for bad responses
25
26         data = response.json()
27         movies = data.get('results', [])
28
29         if not movies:
30             print("No movies found. Check your API key or the API status.")
31             return
32
33         print(f"Top {count} Trending Movies:")
34         for i, movie in enumerate(movies[:count]):
35             title = movie.get('title') or movie.get('name', 'N/A')
36             vote_average = movie.get('vote_average', 'N/A')
37             print(f"[{i+1}]: {title} (Rating: {vote_average})")
38
39     except requests.exceptions.RequestException as e:
40         print(f"An error occurred: {e}")
41
42 # Corrected main check
43 if __name__ == "__main__":
44     fetch_top_trending_movies(API_KEY)
```

OUTPUT:

```
PS C:\Users\Charan\OneDrive\Desktop\python> python examt1.py
Top 5 Trending Movies:
[1]: Weapons (Rating: 7.5)
[2]: Demon Slayer: Kimetsu no Yaiba Infinity Castle (Rating: 7.4)
[3]: Honey Don't! (Rating: 5.8)
[4]: The Conjuring: Last Rites (Rating: 6.938)
[5]: xXx (Rating: 5.958)
```

code-2:

```
examt2.py X
examt2.py
1  # movie.py
2  import requests
3  import os
4
5  # Try to get the API key from environment variable; fallback to hardcoded key
6  API_KEY = os.getenv('TMDB_API_KEY', '0c684301b0330b9fa459310911a03201')
7  BASE_URL = 'https://api.themoviedb.org/3/trending/movie/day'
8
9  def fetch_top_trending_movies(api_key, count=5):
10     """
11     Fetches the top trending movies from TMDB API.
12     """
13     params = {'api_key': api_key}
14
15     try:
16         response = requests.get(BASE_URL, params=params)
17         response.raise_for_status()
18
19         data = response.json()
20         movies = data.get('results', [])
21
22         if not movies:
23             print("No movies found. Check your API key or the API status.")
24             return
25
26         print(f"Top {count} Trending Movies:")
27         for i, movie in enumerate(movies[:count]):
28             title = movie.get('title') or movie.get('name', 'N/A')
29             vote_average = movie.get('vote_average', 'N/A')
30             print(f"[{i+1}]: {title} (Rating: {vote_average})")
31
32     except requests.exceptions.RequestException as e:
33         print(f"An error occurred: {e}")
34
35 if __name__ == "__main__":
36     fetch_top_trending_movies(API_KEY)
37
```

output:

```
PS C:\Users\Charan\OneDrive\Desktop\python> python examt2.py
Top 5 Trending Movies:
[1]: Weapons (Rating: 7.5)
[2]: Demon Slayer: Kimetsu no Yaiba Infinity Castle (Rating: 7.4)
[3]: Honey Don't! (Rating: 5.8)
[4]: The Conjuring: Last Rites (Rating: 6.938)
[5]: xXx (Rating: 5.958)
```