

- ▼ Develop a program to view the data of top 50 movies in IMDB. (Movie name actors, IMDB ratings).

- ▼ 1. Importing Required Libraries

```
import re
import bs4
# Beautiful soup can't make request to website so here importing requests
import requests
```

- ▼ 2. Requesting IMDB website code in response using **response.get()**

```
url = 'http://www.imdb.com/chart/top'
response = requests.get(url)
```

- ▼ 3. Converting the response to soup object to extract information and converting into **lxml** format

```
soup = bs4.BeautifulSoup(response.text, 'lxml')
```

- ▼ 4. Extracting details of Movies

```
movies = soup.select('td.titleColumn')
```

- ▼ 5. Extractig Crew details

```
crew = []
for a in soup.select('td.titleColumn a'):
    crew.append(a.attrs.get('title'))
```

- ▼ 6. Extracting Ratings of Movies

```
ratings = []
for b in soup.select('td.posterColumn span[name=ir]'):
    ratings.append(b.attrs.get('data-value'))
```

```
for index in range(0, 50):

    # Converts HTML tag content in Strings
    movie_string = movies[index].get_text()
    movie = (' '.join(movie_string.split())).replace('.', '')

    # Extract Movie Title
    movie_title = movie[len(str(index)) + 1:-7]
    place = movie[:len(str(index))-(len(movie))]

    # Entering required data into dictionary format
    data = {"movie_title": movie_title,
            "star_cast": crew[index],
            "place": place,
            "rating": ratings[index],}

    # Storing into IMDB data of Top 50 movies
    imdb.append(data)
```

8. Printing Top 50 Movies details

```
for item in imdb:
    print(f"{item['place']} . {item['movie_title']}\nRating: {round(float(item['rating']), 1)}\n")
    print('\n')
```

9. Output

```
1 . The Shawshank Redemption
Rating: 9.2
Starring: Frank Darabont (dir.), Tim Robbins, Morgan Freeman

2 . The Godfather
Rating: 9.1
Starring: Francis Ford Coppola (dir.), Marlon Brando, Al Pacino

3 . The Godfather: Part II
Rating: 9.0
```

6 . Schindler's List

Rating: 8.9

Starring: Steven Spielberg (dir.), Liam Neeson, Ralph Fiennes

7 . The Lord of the Rings: The Return of the King

Rating: 8.9

Starring: Peter Jackson (dir.), Elijah Wood, Viggo Mortensen

8 . Pulp Fiction

Rating: 8.8

Starring: Quentin Tarantino (dir.), John Travolta, Uma Thurman

9 . The Good, the Bad and the Ugly

Rating: 8.8

Starring: Sergio Leone (dir.), Clint Eastwood, Eli Wallach

1 . The Lord of the Rings: The Fellowship of the Ring

Rating: 8.8

Starring: Peter Jackson (dir.), Elijah Wood, Ian McKellen

11 . Fight Club

Rating: 8.8

Starring: David Fincher (dir.), Brad Pitt, Edward Norton

12 . Forrest Gump

Rating: 8.7

Starring: Robert Zemeckis (dir.), Tom Hanks, Robin Wright

13 . Inception

Rating: 8.7

Starring: Christopher Nolan (dir.), Leonardo DiCaprio, Joseph Gordon-Levitt

14 . The Lord of the Rings: The Two Towers

18 . One Flew Over the Cuckoo's Nest

Rating: 8.6

Starring: Milos Forman (dir.), Jack Nicholson, Louise Fletcher

19 . Seven Samurai

Rating: 8.6

Starring: Akira Kurosawa (dir.), Toshirô Mifune, Takashi Shimura

20 . Se7en

Rating: 8.6

Starring: David Fincher (dir.), Morgan Freeman, Brad Pitt

21 . The Silence of the Lambs

Rating: 8.6

Starring: Jonathan Demme (dir.), Jodie Foster, Anthony Hopkins

22 . City of God

Rating: 8.6

Starring: Fernando Meirelles (dir.), Alexandre Rodrigues, Leandro Firmino

23 . Life Is Beautiful

Rating: 8.6

Starring: Roberto Benigni (dir.), Roberto Benigni, Nicoletta Braschi

24 . It's a Wonderful Life

Rating: 8.6

Starring: Frank Capra (dir.), James Stewart, Donna Reed

30 . Parasite

Rating: 8.5

Starring: Bong Joon Ho (dir.), Kang-ho Song, Sun-kyun Lee

31 . Léon: The Professional

Rating: 8.5

Starring: Luc Besson (dir.), Jean Reno, Gary Oldman

32 . Hara-Kiri

Rating: 8.5

Starring: Masaki Kobayashi (dir.), Tatsuya Nakadai, Akira Ishihama

33 . The Pianist

Rating: 8.5

Starring: Roman Polanski (dir.), Adrien Brody, Thomas Kretschmann

34 . The Usual Suspects

Rating: 8.5

Starring: Bryan Singer (dir.), Kevin Spacey, Gabriel Byrne

35 . Terminator 2: Judgment Day

Rating: 8.5

Starring: James Cameron (dir.), Arnold Schwarzenegger, Linda Hamilton

42 . Grave of the Fireflies

Rating: 8.5

Starring: Isao Takahata (dir.), Tsutomu Tatsumi, Ayano Shiraishi

43 . Whiplash

Rating: 8.5

Starring: Damien Chazelle (dir.), Miles Teller, J.K. Simmons

44 . Gladiator

Rating: 8.5

Starring: Ridley Scott (dir.), Russell Crowe, Joaquin Phoenix

45 . The Departed

Rating: 8.5

Starring: Martin Scorsese (dir.), Leonardo DiCaprio, Matt Damon

46 . The Intouchables

Rating: 8.5

Starring: Olivier Nakache (dir.), François Cluzet, Omar Sy

