

Importing Dependencies

```
from bs4 import BeautifulSoup
import requests
import pandas as pd
```

```
url = 'https://en.wikipedia.org/wiki/List_of_largest_companies_in_India'
```

```
page = requests.get(url)
soup = BeautifulSoup(page.text, 'html')
```

```
table = soup.find_all('table')[0]
```

```
titles = table.find_all('th')
```

```
india_titles = [title.text.rstrip() for title in titles]
```

```
india_titles
```

```
['Rank', 'Forbes 2000 rank', 'Name', 'Headquarters', 'Revenue(billions US$)', 'Profit(billions US$)', 'Assets(billions US$)', 'Value(billions US$)']
```

Building the DataFrame

```
df = pd.DataFrame(columns = india_titles)
```

```
df
```

```
Empty DataFrame
Columns: Rank, Forbes 2000 rank, Name, Headquarters, Revenue(billions US$), Profit(billions US$), Assets(billions US$), Value(billions US$)
Index: []
```

```
column_data = table.find_all('tr')
```

```
column_names = ['Column1', 'Column2', 'Column4']
```

```
for row in column_data:
    row_data = row.find_all('td')
    individual_row_data = [data.text.rstrip() for data in row_data]
```

```
# Removing columns at index 1 and 3
```

```
individual_row_data = individual_row_data[:1] + individual_row_data[2:3] + individual_row_data[4:]
```

```
# Check if the modified row has the same number of elements as the columns
```

```
if len(individual_row_data) == len(column_names):
```

```
    # Append the modified row to the DataFrame
```

```
    df.loc[len(df)] = individual_row_data
```

```
df
```

	Rank	Forbes 2000 rank	Name	Headquarters	Revenue(billions US\$)	Profit(billions US\$)	Assets(billions US\$)	Value(billions US\$)	Industry
0	1	54	Reliance Industries	Mumbai	86.85	7.81	192.59	228.63	Conglomerate
1	2	105	State Bank of India	Mumbai	54.52	4.32	696.51	58.39	Banking
2	3	154	HDFC Bank	Mumbai	22.51	5.11	280.16	98.28	Banking
3	4	205	ICICI Bank	Mumbai	21.89	3.01	226.39	67.9	Banking
4	5	229	Oil and Natural Gas Corporation	New Delhi	66.28	6.00	75.51	28.62	Oil and gas
5	6	269	HDFC	Mumbai	18.48	2.91	118.61	52.30	Financials
6	7	358	Indian Oil Corporation	New Delhi	72.20	3.72	51.73	16.53	Oil and gas
7	8	385	Tata Consultancy Services	Mumbai	25.73	5.14	18.68	172.79	Infotech
8	9	408	Tata Steel	Mumbai	31.07	5.01	34.62	20.42	Iron and steel
9	10	432	Axis Bank	Mumbai	11.41	1.71	152.12	31.32	Banking
10	11	484	NTPC Limited	New Delhi	17.00	2.17	55.00	20.32	Utilities
11	12	514	Larsen & Toubro	Mumbai	20.53	1.12	40.82	31.13	Capital goods
12	13	539	Infosys	Bangalore	16.33	2.97	15.56	87.21	Infotech
13	14	574	JSW Steel Ltd	Mumbai	9.50	0.50	17.40	20.10	Iron and steel
14	15	593	Vedanta Limited	Mumbai	16.38	2.63	25.3	20.21	Metals and mining
15	16	615	Bharat Petroleum	Mumbai	43.2	2.59	25.18	11.16	Oil and gas
16	17	628	Kotak Mahindra Bank	Mumbai	7.92	1.46	41.57	44.83	Banking
17	18	643	Hindalco Industries	Mumbai	24.33	1.60	27.45	15.11	Metals and mining
18	19	710	Bharti Airtel	New Delhi	14.98	0.406	48.72	56.80	Telecommunication
19	20	726	Coal India	Kolkata	14.03	2.06	22.3	16.30	Metals and mining
20	21	729	Tata Motors	Mumbai	39.04	-2.44	42.32	22.12	Automotive
21	22	789	Power Finance Corporation	New Delhi	10.15	1.86	106.71	4.10	Financials
22	23	809	HCL Technologies	Noida	11.19	1.49	11.57	39.09	Infotech
23	24	820	Wipro	Bangalore	10.07	1.64	13.69	38.44	Infotech
24	25	822	Power Grid Corporation of India	Gurgaon	5.61	2.19	34.56	20.57	Utilities
25	26	827	Grasim Industries	Mumbai	12.35	0.87	36.94	14.77	Diversified
26	27	846	ITC Limited	Kolkata	7.91	2.00	10.04	42.06	Consumer Goods
27	28	876	Bajaj Finserv	Pune	8.64	0.56	41.54	32.15	Financials

Saving the file

df.to_csv(r'Top 50 Companies.csv', index = False)

31	32	1041	Punjab National Bank	New Delhi	12.1	0.57	178.94	5.10	Banking
32	33	1063	Mahindra & Mahindra	Mumbai	11.59	0.73	22.36	14.96	Automotive
33	34	1171	Steel Authority of India	New Delhi	12.98	1.79	15.87	5.48	Iron and steel
34	35	1215	GAIL	New Delhi	10.98	1.53	12.03	9.52	Oil and gas
35	36	1348	Indian Bank	Chennai	6.17	0.65	89.96	2.63	Banking

36	37	1362	Sun Pharmaceutical	Mumbai	5.10	0.87	9.30	28.97	Pharmaceuticals
37	38	1514	Indian Railway Finance Corporation	New Delhi	2.55	0.82	58.03	3.83	Financials
38	39	1453	Adani Enterprises	Ahmedabad	7.86	0.09	11.09	32.70	Consumer Goods
39	40	1472	Industrial Bank	Mumbai	5.00	0.58	51.26	0.72	Banking

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