#### **Project Title: Develop a SEO Tool to Analyse Live Web Pages**

#### Introduction

Search Engine Optimization (SEO) is an important aspect of a Web page to gain importance for a search engine to be able to display it earlier in the search list. The optimization is based on a lot of factors such as title, description, header tags and keyword density. Different search engines will have their own mechanisms that calculate the score of a keyword on the page and thus work out its ranking in the search order.

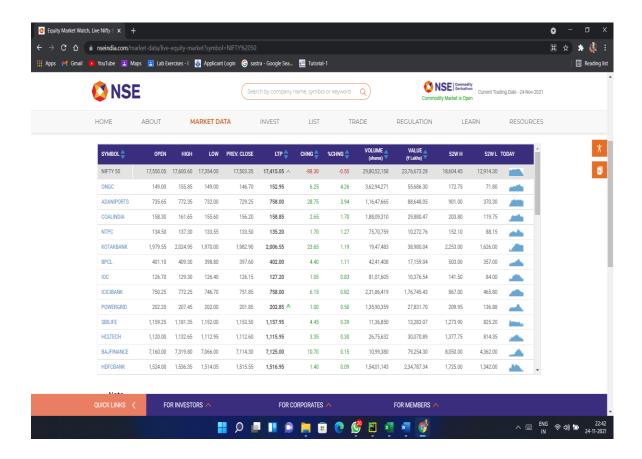
#### **Project Requirements**

**Python Version**: python 3.x **Web Scraping Tool**: BeatuifulSoup4

Database : SQLite : PyCharm

Live Web Page Link: <a href="https://www.nseindia.com/market-data/live-equity-">https://www.nseindia.com/market-data/live-equity-</a>

market?symbol=NIFTY%2050



### **PROGRAM**

```
import bs4
from matplotlib import pyplot as plt
import requests
import xlsxwriter
```

```
worksheet=workbook.add_worksheet()
bold=workbook.add_format({'bold':True})
worksheet.write('A1','SYMBOL',bold)
worksheet.write('B1', 'OPEN', bold)
worksheet.write('C1', 'HIGH', bold)
worksheet.write('D1', 'LOW', bold)
worksheet.write('E1', 'PREV_CLOSE', bold)
worksheet.write('F1', 'LAST_PRICE', bold)
worksheet.write('G1', 'CHANGE', bold)
worksheet.write('H1', 'PERC_CHANGE', bold)
```

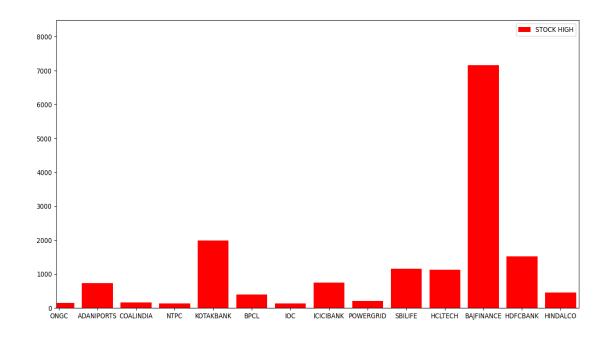
```
def read excel(self):
```

#### **OUTPUT:**

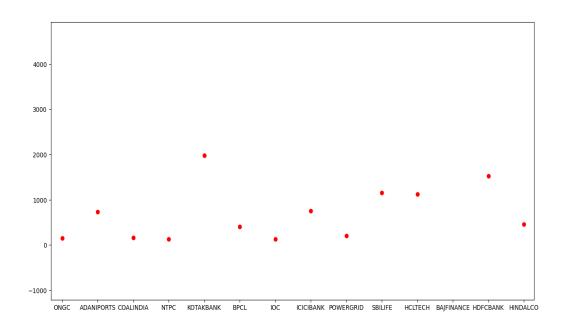
## **EXCEL SHEET OF ALL DATAS:**

Clipboard		[2]		Font		[2]		Alignment			
R24	<b>~</b> ]		fx								
_ A	В	С	D	E	F	G	н			K	L
1 SYMBOL	OPEN	HIGH	LOW	PREV_CLC	LAST_PRI	CHANGE	PERC_CH/	VOLUME(	VALUE(₹la	52 W_H	52 W_L
2 NIFTY 50	17550.1	17600.6	17354	17503.4	17415.1	-88.3	-0.5	3E+08	2.4E+11	6.39309	-34.8509
3 ONGC	149	155.85	149	146.7	152.95	6.25	4.26	3.6E+07	5.6E+09	11.4616	-113.022
4 ADANIPO	F 735.65	772.35	732	729.25	758	28.75	3.94	1.2E+07	8.9E+09	15.8713	-104.699
5 COALIND	I. 158.3	161.65	155.6	156.2	158.85	2.65	1.7	1.9E+07	3E+09	22.0559	-32.6514
6 NTPC	134.5	137.3	133.55	133.5	135.2	1.7	1.27	7570759	1E+09	11.1111	-53.3749
7 KOTAKBA	1979.55	2024.95	1970	1982.9	2006.55	23.65	1.19	1947483	3.9E+09	10.9387	-23.4041
8 BPCL	401.1	409.3	398.8	397.6	402	4.4	1.11	4241408	1.7E+09	20.0795	-12.605
9 IOC	126.7	129.3	126.4	126.15	127.2	1.05	0.83	8101605	1E+09	10.106	-51.4286
10 ICICIBAN	750.25	772.25	746.7	751.85	758	6.15	0.82	2.3E+07	1.8E+10	12.5721	-62.7308
11 POWERG	F 202.2	207.45	202	201.85	202.85	1	0.5	1.4E+07	2.8E+09	3.38176	-48.1955
12 SBILIFE	1159.25	1181.35	1152	1153.5	1157.95	4.45	0.39	1136850	1.3E+09	9.10197	-40.3236
13 HCLTECH	1120	1132.65	1112.95	1112.6	1115.95	3.35	0.3	2675632	3E+09	19.002	-37.0357
14 BAJFINAN	7160	7319.8	7066	7114.3	7125	10.7	0.15	1099380	7.9E+09	11.4907	-63.3425
15 HDFCBAN	1524	1536.35	1514.05	1515.55	1516.95	1.4	0.09	1.5E+07	2.3E+10	12.0609	-13.0365
16 HINDALC	453.9	456.9	444.2	450.2	450.2	0	0	7761523	3.5E+09	18.4199	-108.861
17 BHARTIA	R 764	781.8	756.25	758.9	756.9	-2	-0.26	2.2E+07	1.7E+10	3.18496	-66.6777
18 BAJAJFIN	17432	17647	17140.4	17368.1	17320	-48.1	-0.28	274024	4.8E+09	10.3752	-109.338
19 SHREECE	26895	27000	26665	26740.5	26665	-75.5	-0.28	29212	7.9E+08	16.7967	-18.3481
20 AXISBANI	690	695.1	682.05	685.65	683.5	-2.15	-0.31	1.1E+07	7.9E+09	21.1558	-20.2498
21 JSWSTEE	683.3	696	670	683.3	680.95	-2.35	-0.34	4374307	3E+09	12.3052	-103.816
22 SBIN	495.8	500	489.05	493.05	490	-3.05	-0.62	1.4E+07	6.9E+09	9.64411	-105.796
23 HEROMO	2646.5	2657.9	2613	2632.2	2614.9	-17.3	-0.66	564230	1.5E+09	27.9453	-0.57308
24 NESTLEIN	19200	19290	18950	19181.6	19050	-131.55	-0.69	34355	6.6E+08	7.56533	-19.0469
25 DRREDD	4628.9	4653.6	4586.6	4631.95	4600	-31.95	-0.69	199258	9.2E+08	18.0707	-11.2455
26 TITAN	2400	2405.25	2365	2387.7	2371.05	-16.65	-0.7	614145	1.5E+09	11.4586	-82.3394
27 UPL	726	736.1	716.15	725.25	719.95	-5.3	-0.73	1312705	9.6E+08	16.7399	-73.838
28 TCS	3472.2	3493.05	3424	3464.25	3431.95	-32.3	-0.93	2161746	7.5E+09	13.9841	-30.7684

# **BAR GRAPH OF STOCK HIGH IN A DAY:**



## SCATTER PLOT OF HIGH SOLD STOCKS IN A DAY:



## **EXCEL GRAPH**



