

```
In [1]: import numpy as np
import pandas as pd
from bs4 import BeautifulSoup
from urllib.request import Request, urlopen
import requests
```

```
In [2]: url = "https://economictimes.indiatimes.com/news"
r = requests.get(url)
```

```
In [3]: r.content
```

...

```
In [4]: soup = BeautifulSoup(r.content, "html5lib")
soup
```

...

```
In [5]: news = []
temp = []
newsurl = []
```

```
In [6]: for a in soup.find_all('a', href = True):
news.append(a.get('href'))
news
```

...

```
In [7]: import re
for a in soup.find_all('a', href = True):
    ref_url = a['href']
    VALID_ET_NEWS_LINK_REGEX = re.compile(r"(?<=\/)\d+(?=\.\.cms)")
    links = VALID_ET_NEWS_LINK_REGEX.search(ref_url)

    if links:
        temp.append(ref_url)
```

```
In [8]: temp
```

...

```
In [9]: for i in temp:
    if 'https' in str(i):
        newsurl.append(i)
```

```
In [10]: index = range(1, len(newsurl)+1)
df = pd.DataFrame({'Index': index, 'NewsURL': newsurl})
df.set_index("Index", inplace = True)
df.to_csv('news.csv', index = False)
df.head()
```

Out[10]: **NewsURL**

	Index	NewsURL
1	https://economictimes.indiatimes.com/prime/mon...	
2	https://economictimes.indiatimes.com/prime/ene...	
3	https://economictimes.indiatimes.com/prime/con...	
4	https://economictimes.indiatimes.com/prime/pri...	
5	https://economictimes.indiatimes.com/prime/cor...	

```
In [41]: Name = []
```

```
In [40]: for a in df.NewsURL:
    soup1 = BeautifulSoup(requests.get(a).content, "html5lib")
    for j in soup1.findAll('div', href = True, attrs = {'class': 'clearfix main_container prel prt_cnt layout_mm'}):
        for s in soup1.findAll('div', href = True, attrs = {'class': 'art_heading'}):
            name = s.findAll('h1', attrs = {'class': 'artTitle font_faus'})
            Name.append(name)

print(Name)
```

```
[]
```

```
In [32]:
```

Out[32]: 10

```
In [43]: for a in df.NewsURL:
        soup1 = BeautifulSoup(requests.get(a).content, "html5lib")
        for s in soup1.findAll('h1', attrs = {'class': 'artTitle font_faus'}):
            Name.append(s)
Name
```

```
Out[43]: [<h1 class="artTitle font_faus">Weak outlook, top-level churn: Why Wipro is underperforming against TCS and Infosys</h1>,
<h1 class="artTitle font_faus">Tata Power is creating a solar-energy heavyweight, and your rooftop has got a lot to do with it
</h1>,
<h1 class="artTitle font_faus">Flipkart has scaled down its latest attempt at quick-commerce. Here's why</h1>,
<h1 class="artTitle font_faus">Four insights to kick-start your day: featuring anxiety grips Vistara staff</h1>,
<h1 class="artTitle font_faus">Why lenders may emerge as the villains in Shibasish Sarkar's SPAC saga to buy out Reliance Stud
ios</h1>,
<h1 class="artTitle font_faus">Return of RHT: IHH keen to complete Fortis buy, but Daiichi smells a rat</h1>,
<h1 class="artTitle font_faus">A change of heart: inside a cardiac transplant – despair, doctor, donor, and a new life</h1>,
<h1 class="artTitle font_faus">Stock spotting: Are New Age retail investors able to decode the science of investing?</h1>,
<h1 class="artTitle font_faus">Buy, sell, or hold? Why Dalal Street is divided on IndiGo's outlook</h1>,
<h1 class="artTitle font_faus">No quick fix: why India-UKA FTA is likely to be a long haul under Rishi Sunak</h1>,
<h1 class="artTitle font_faus">Tata Sons kicks off process to bring all airlines under Air India wings</h1>,
<h1 class="artTitle font_faus">Billionaire Mukesh Ambani enters the fray to take over EPL giant Liverpool FC</h1>,
<h1 class="artTitle font_faus">How Singapore's large-scale tech layoffs are impacting Indians</h1>,
<h1 class="artTitle font_faus">ETMarkets Trade Talk | How this Gurgaon CA funds foreign trips with trading income</h1>,
<h1 class="artTitle font_faus">Mumbai Airport Customs seize 61 kg gold worth Rs 32 crore in a day. FM Niramala Sitharaman laud
s the alertness</h1>,
<h1 class="artTitle font_faus">Is Tom Hardy the new James Bond after Daniel Craig? Find out here</h1>,
<h1 class="artTitle font_faus">Former FTX CEO Sam Bankman-Fried planning escape to Dubai: report</h1>,
<h1 class="artTitle font_faus">Dreaming of early retirement at 40? Let's work out the maths</h1>,
<h1 class="artTitle font_faus">LTI-Mindtree merger comes into effect, becomes 5th largest IT company by m-cap</h1>,
<h1 class="artTitle font_faus">Mukesh Ambani may be interested in Liverpool, but this British billionaire doesn't see value in
buying a top PL club</h1>,
<h1 class="artTitle font_faus">Who is eligible for higher EPS pension under EPF scheme, last date to claim: Supreme Court clar
ifies</h1>,
<h1 class="artTitle font_faus">Centre mulling changes to capital gains tax regime</h1>,
<h1 class="artTitle font_faus">'Yellowstone' Season 5 is set to premiere on November 13. Here's how to watch it</h1>,
<h1 class="artTitle font_faus">Salesforce cuts to affect 2,500 jobs in major round of layoffs</h1>,
<h1 class="artTitle font_faus">Amazon becomes world's first public company to lose $1 trillion in market value</h1>,
<h1 class="artTitle font_faus">Scientists find huge black hole in Earth's backyard</h1>,
<h1 class="artTitle font_faus">How Maruti Suzuki is ensuring road safety with its car safety features and initiatives</h1>,
<h1 class="artTitle font_faus">Bank holidays November 2022: Banks to remain closed for 10 days in November, check the full lis
t here</h1>,
<h1 class="artTitle font_faus">Big Tech layoffs – a meltdown or course correction? Harvard Prof Ranjay Gulati explains</h1>,
<h1 class="artTitle font_faus">Google increases free storage for 'Workspace Individual' from 15GB to 1TB</h1>,
<h1 class="artTitle font_faus">Gautam Adani lands in the middle of a India-China fight</h1>,
<h1 class="artTitle font_faus">Central Bank of India hikes FD interest rates, revises savings account interest rate</h1>,
<h1 class="artTitle font_faus">Samvardhana Motherson Q2 Results: Company posts net profit of Rs 246 crore</h1>,
<h1 class="artTitle font_faus">The future of work from office: will it exist? What will it look like?</h1>,
<h1 class="artTitle font_faus">Zac Efron almost died after jaw and chin smashing accident: Here's what happened</h1>,
<h1 class="artTitle font_faus">Gujarat elections 2022: Congress releases second list of 46 candidates</h1>,
<h1 class="artTitle font_faus">Jeevan Pramaan Patra: 6 ways a pensioner can submit annual life certificate online</h1>,
<h1 class="artTitle font_faus">In first trip to India, US Treasury chief Janet Yellen pitches for a global trade route away fr
om China</h1>,
<h1 class="artTitle font_faus">Railways to switch to stoneless tracks at revamped stations</h1>,
<h1 class="artTitle font_faus">HDFC Bank, HDFC shares dance on MSCI's treat to the Street!</h1>]
```

```
In [13]: from IPython.display import HTML
HTML(df.to_html(render_links=True, escape=False))
```

Out[13]:

NewsURL

Index	
1	https://economictimes.indiatimes.com/prime/money-and-markets/tough-macros-senior-exits-why-wipro-is-underperforming-against-infosys-and-tcs-again/primearticleshow/95434671.cms (https://economictimes.indiatimes.com/prime/money-and-markets/tough-macros-senior-exits-why-wipro-is-underperforming-against-infosys-and-tcs-again/primearticleshow/95434671.cms)
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3	https://economictimes.indiatimes.com/prime/consumer/flipkart-has-scaled-down-its-latest-attempt-at-quick-commerce-heres-why/primearticleshow/95451353.cms (https://economictimes.indiatimes.com/prime/consumer/flipkart-has-scaled-down-its-latest-attempt-at-quick-commerce-heres-why/primearticleshow/95451353.cms)
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(<https://economictimes.indiatimes.com/news/international/us/google-increases-free-storage-for-workspace-individual-from-15gb-to-1tb/articleshow/95360101.cms>)
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(<https://economictimes.indiatimes.com/markets/stocks/earnings/samvardhana-motherson-q2-results-company-posts-net-profit-of-rs-246-crore/articleshow/95432894.cms>)
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(<https://economictimes.indiatimes.com/markets/stocks/news/hdfc-bank-hdfc-shares-dance-on-mscis-treat-to-the-street/articleshow/95451732.cms>)

In []: