

```
In [2]: !pip install bs4
!pip install requests
```

```
Requirement already satisfied: bs4 in c:\users\user\anaconda3\lib\site-packages (0.0.1)
Requirement already satisfied: beautifulsoup4 in c:\users\user\anaconda3\lib\site-packages (from bs4) (4.12.2)
Requirement already satisfied: soupsieve>1.2 in c:\users\user\anaconda3\lib\site-packages (from beautifulsoup4->bs4) (2.4)
Requirement already satisfied: requests in c:\users\user\anaconda3\lib\site-packages (2.31.0)
Requirement already satisfied: charset-normalizer<4,>=2 in c:\users\user\anaconda3\lib\site-packages (from requests) (2.0.4)
Requirement already satisfied: idna<4,>=2.5 in c:\users\user\anaconda3\lib\site-packages (from requests) (3.4)
Requirement already satisfied: urllib3<3,>=1.21.1 in c:\users\user\anaconda3\lib\site-packages (from requests) (1.26.16)
Requirement already satisfied: certifi>=2017.4.17 in c:\users\user\anaconda3\lib\site-packages (from requests) (2023.7.22)
```

```
In [4]: from bs4 import BeautifulSoup
import requests
```

```
In [5]: page = requests.get('https://presidentofindia.nic.in/former-presidents')
page
```

```
Out[5]: <Response [200]>
```

```
In [6]: soup = BeautifulSoup(page.content)
soup
```

```
Out[6]: <!DOCTYPE html>
<html dir="ltr" lang="en">
<head>
<meta charset="utf-8"/>
<meta content="Drupal 9 (https://www.drupal.org)" name="Generator"/>
<meta content="width" name="MobileOptimized"/>
<meta content="true" name="HandheldFriendly"/>
<meta content="width=device-width, initial-scale=1.0" name="viewport"/>
<link href="/sites/default/files/tiranga_1.png" rel="icon" type="image/png"/>
<title>Former Presidents of India | President of India</title>
<link href="/libraries/superfish/css/superfish.css?s0vhji" media="all" rel="stylesheet"/>
<link href="/core/modules/system/css/components/ajax-progress.module.css?s0vhji" media="all" rel="stylesheet"/>
<link href="/core/modules/system/css/components/align.module.css?s0vhji" media="all" rel="stylesheet"/>
<link href="/core/modules/system/css/components/autocomplete-loading.module.css?s0vhji" media="all" rel="stylesheet"/>
```

```
In [8]: first_titles = soup.find('div',class_="desc-sec")
first_titles
```

```
Out[8]: <div class="desc-sec">
<h3>Shri Ram Nath Kovind</h3>
<h5>14th President of India</h5>
</div>
```

```
In [9]: first_titles.text
```

```
Out[9]: '\nShri Ram Nath Kovind\n14th President of India\n'
```

```
In [27]: titles = []
for i in soup.find_all('div',class_="desc-sec"):
    titles.append(i.text)
titles
```

```
Out[27]: ['\nShri Ram Nath Kovind\n14th President of India\n',
'\nShri Pranab Mukherjee\n13th President of India\n',
'\nSmt Pratibha Devisingh Patil\n12th President of India\n',
'\nDR. A.P.J. Abdul Kalam\n11th President of India\n',
'\nShri K. R. Narayanan\n10th President of India\n',
'\nDr Shankar Dayal Sharma\n9th President of India\n',
'\nShri R Venkataraman\n8th President of India\n',
'\nGiani Zail Singh\n7th President of India\n',
'\nShri Neelam Sanjiva Reddy\n6th President of India\n',
'\nDr. Fakhruddin Ali Ahmed\n5th President of India\n',
'\nShri Varahagiri Venkata Giri\n4th President of India\n',
'\nDr. Zakir Husain\n3rd President of India\n',
'\nDr. Sarvepalli Radhakrishnan\n2nd President of India\n',
'\nDr. Rajendra Prasad\n1st President of India\n']
```

```
In [23]: print(len(titles))
```

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```
In [24]: import pandas as pd
df = pd.DataFrame({'Titles':titles})
df
```

Out[24]:

	Titles
0	\nShri Ram Nath Kovind\n14th President of India\n
1	\nShri Pranab Mukherjee\n13th President of Ind...
2	\nSmt Pratibha Devisingh Patil\n12th President...
3	\nDR. A.P.J. Abdul Kalam\n11th President of In...
4	\nShri K. R. Narayanan\n10th President of India\n
5	\nDr Shankar Dayal Sharma\n9th President of I...
6	\nShri R Venkataraman\n8th President of India\n
7	\nGiani Zail Singh\n7th President of India\n
8	\nShri Neelam Sanjiva Reddy\n6th President of ...
9	\nDr. Fakhruddin Ali Ahmed\n5th President of I...
10	\nShri Varahagiri Venkata Giri\n4th President ...
11	\nDr. Zakir Husain\n3rd President of India\n
12	\nDr. Sarvepalli Radhakrishnan\n2nd President ...
13	\nDr. Rajendra Prasad\n1st President of India\n

In []: