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

Requirement already satisfied: bs4 in ./opt/anaconda3/lib/python3.9/site-packa
ges (0.0.1)
Requirement already satisfied: beautifulsoup4 in ./opt/anaconda3/lib/python3.9
/site-packages (from bs4) (4.10.0)
Requirement already satisfied: soupsieve>1.2 in ./opt/anaconda3/lib/python3.9/
site-packages (from beautifulsoup4->bs4) (2.2.1)

In [3]:   !pip install requests

Requirement already satisfied: requests in ./opt/anaconda3/lib/python3.9/site-
packages (2.26.0)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in ./opt/anaconda3/lib/py
thon3.9/site-packages (from requests) (1.26.7)
Requirement already satisfied: charset-normalizer~=2.0.0 in ./opt/anaconda3/li
b/python3.9/site-packages (from requests) (2.0.4)
Requirement already satisfied: certifi>=2017.4.17 in ./opt/anaconda3/lib/pytho
n3.9/site-packages (from requests) (2021.10.8)
Requirement already satisfied: idna<4,>=2.5 in ./opt/anaconda3/lib/python3.9/s
ite-packages (from requests) (3.2)

In [4]:   from bs4 import BeautifulSoup
          import requests

In [5]:   url = "https://presidentofindia.nic.in/former-presidents.htm"

In [6]:   r = requests.get(url)
          r

Out[6]:   <Response [200]>

In [18]:  soup = BeautifulSoup(r.content)
          name= []

In [19]:  for i in soup.find_all("h3"):
              name.append(i.text.split("("))

In [20]:  #scrapping names and DOB
          name
```

```
Out[20]:  [['Shri Ram Nath Kovind ', 'birth - 1945)'],
          ['Shri Pranab Mukherjee ', '1935-2020)'],
          ['Smt Pratibha Devisingh Patil ', 'birth - 1934)'],
          ['DR. A.P.J. Abdul Kalam ', '1931-2015)'],
          ['Shri K. R. Narayanan ', '1920 - 2005)'],
          ['Dr Shankar Dayal Sharma ', '1918-1999)'],
          ['Shri R Venkataraman ', '1910-2009)'],
          ['Giani Zail Singh ', '1916-1994)'],
          ['Shri Neelam Sanjiva Reddy ', '1913-1996)'],
          ['Dr. Fakhruddin Ali Ahmed ', '1905-1977)'],
          ['Shri Varahagiri Venkata Giri ', '1894-1980)'],
          ['Dr. Zakir Husain ', '1897-1969)'],
          ['Dr. Sarvepalli Radhakrishnan ', '1888-1975)'],
          ['Dr. Rajendra Prasad ', '1884-1963) ']]
```

In [29]:
```python
Name_of_President = []
```

In [30]:
```python
for i in range(len(name)):
    Name_of_President.append(name[i][0].strip())
```

In [31]:
```python
Name_of_President
```

Out[31]:
```
['Shri Ram Nath Kovind',
 'Shri Pranab Mukherjee',
 'Smt Pratibha Devisingh Patil',
 'DR. A.P.J. Abdul Kalam',
 'Shri K. R. Narayanan',
 'Dr Shankar Dayal Sharma',
 'Shri R Venkataraman',
 'Giani Zail Singh',
 'Shri Neelam Sanjiva Reddy',
 'Dr. Fakhruddin Ali Ahmed',
 'Shri Varahagiri Venkata Giri',
 'Dr. Zakir Husain',
 'Dr. Sarvepalli Radhakrishnan',
 'Dr. Rajendra Prasad']
```

In [37]:
```python
len(Name_of_President)
```

Out[37]: 14

In [87]:
```python
# term of office
term=[]
term_of_president = []
```

In [88]:
```python
for i in soup.find_all("div",class_="presidentListing"):
    term.append(i.text.split("\n"))
```

```
In [89]:   term
           # we can also seperate the names of president

Out[89]:   [['',
             'Shri Ram Nath Kovind (birth - 1945)',
             'Term of Office: 25 July, 2017 to 25 July, 2022 ',
             'https://ramnathkovind.nic.in',
             ''],
            ['',
             'Shri Pranab Mukherjee (1935-2020)',
             'Term of Office: 25 July, 2012 to 25 July, 2017 ',
             'http://pranabmukherjee.nic.in',
             ''],
            ['',
             'Smt Pratibha Devisingh Patil (birth - 1934)',
             'Term of Office: 25 July, 2007 to 25 July, 2012 ',
             'http://pratibhapatil.nic.in',
             ''],
            ['',
             'DR. A.P.J. Abdul Kalam (1931-2015)',
             'Term of Office: 25 July, 2002 to 25 July, 2007 ',
             'http://abdulkalam.nic.in',
             ''],
            ['',
             'Shri K. R. Narayanan (1920 - 2005)',
             'Term of Office: 25 July, 1997 to 25 July, 2002 ',
             ''],
            ['',
             'Dr Shankar Dayal Sharma (1918-1999)',
             'Term of Office: 25 July, 1992 to 25 July, 1997 ',
             ''],
            ['',
             'Shri R Venkataraman (1910-2009)',
             'Term of Office: 25 July, 1987 to 25 July, 1992 ',
             ''],
            ['',
             'Giani Zail Singh (1916-1994)',
             'Term of Office: 25 July, 1982 to 25 July, 1987 ',
             ''],
            ['',
             'Shri Neelam Sanjiva Reddy (1913-1996)',
             'Term of Office: 25 July, 1977 to 25 July, 1982 ',
             ''],
            ['',
             'Dr. Fakhruddin Ali Ahmed (1905-1977)',
             'Term of Office: 24 August, 1974 to 11 February, 1977',
             ''],
            ['',
             'Shri Varahagiri Venkata Giri (1894-1980)',
             'Term of Office: 3 May, 1969 to 20 July, 1969 and 24 August, 1969 to 24 Augu
           st, 1974',
             ''],
            ['',
             'Dr. Zakir Husain (1897-1969)',
             'Term of Office: 13 May, 1967 to 3 May, 1969',
```

```
    ''],
   ['',
    'Dr. Sarvepalli Radhakrishnan (1888-1975)',
    'Term of Office: 13 May, 1962 to 13 May, 1967',
    ''],
   ['',
    'Dr. Rajendra Prasad (1884-1963) ',
    'Term of Office: 26 January, 1950 to 13 May, 1962',
    '']]
```

In [90]:
```python
for i in range(len(term)):
    term_of_president.append(term[i][2].replace("Term of Office:",""))
```

In [91]:
```python
term_of_president
```

Out[91]:
```
[' 25 July, 2017 to 25 July, 2022 ',
 ' 25 July, 2012 to 25 July, 2017 ',
 ' 25 July, 2007 to 25 July, 2012 ',
 ' 25 July, 2002 to 25 July, 2007 ',
 ' 25 July, 1997 to 25 July, 2002 ',
 ' 25 July, 1992 to 25 July, 1997 ',
 ' 25 July, 1987 to 25 July, 1992 ',
 ' 25 July, 1982 to 25 July, 1987 ',
 ' 25 July, 1977 to 25 July, 1982 ',
 ' 24 August, 1974 to 11 February, 1977',
 ' 3 May, 1969 to 20 July, 1969 and 24 August, 1969 to 24 August, 1974',
 ' 13 May, 1967 to 3 May, 1969',
 ' 13 May, 1962 to 13 May, 1967',
 ' 26 January, 1950 to 13 May, 1962']
```

In [92]:
```python
import pandas as pd
```

In [93]:
```python
df = pd.DataFrame({"Name of president":Name_of_President,"Term":term_of_presi
```

In [94]:
```python
df.index +=1
```

In [95]:
```python
df
```

Out[95]:

	Name of president	Term
1	Shri Ram Nath Kovind	25 July, 2017 to 25 July, 2022
2	Shri Pranab Mukherjee	25 July, 2012 to 25 July, 2017
3	Smt Pratibha Devisingh Patil	25 July, 2007 to 25 July, 2012
4	DR. A.P.J. Abdul Kalam	25 July, 2002 to 25 July, 2007
5	Shri K. R. Narayanan	25 July, 1997 to 25 July, 2002
6	Dr Shankar Dayal Sharma	25 July, 1992 to 25 July, 1997
7	Shri R Venkataraman	25 July, 1987 to 25 July, 1992
8	Giani Zail Singh	25 July, 1982 to 25 July, 1987
9	Shri Neelam Sanjiva Reddy	25 July, 1977 to 25 July, 1982
10	Dr. Fakhruddin Ali Ahmed	24 August, 1974 to 11 February, 1977
11	Shri Varahagiri Venkata Giri	3 May, 1969 to 20 July, 1969 and 24 August, 1...
12	Dr. Zakir Husain	13 May, 1967 to 3 May, 1969
13	Dr. Sarvepalli Radhakrishnan	13 May, 1962 to 13 May, 1967
14	Dr. Rajendra Prasad	26 January, 1950 to 13 May, 1962

In [ ]: