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```
In [6]: import requests
from bs4 import BeautifulSoup
import pandas as pd
```

```
In [7]: #Imports the HTML into python
url = 'https://www.nfl.com/standings/league/2019/reg/'
    requests.get(url)
```

Out[7]: <Response [200]>

```
In [8]: page = requests.get(url)
page.text
```

Out[8]: '\n\n<!DOCTYPE html>\n<html lang="en-US" dir="ltr">\n\n<head>\n <meta cha</pre> rset="utf-8" />\n <meta http-equiv="X-UA-Compatible" content="IE=edge,chr</pre> ome=1" />\n <meta name="viewport" content="width=device-width, initial-sc</pre> ale=1.0" />\n <link rel="canonical" href="https://www.nfl.com/standings/l</pre> eague/2019/reg" />\n k rel="dns-prefetch" href="//nflenterprises.tt.o" $^{\prime}$ mtrdc.net">\n\n <link rel="preconnect" href="//securepubads.g.doubleclic</pre> $\label{link} \mbox{k.net"} \mbox{\enskip} \mbox{\$ $rel="preconnect" href="//assets.adobedtm.com">\n\n\n\title>2019 NFL Le$ ague Standings</title>\n<meta name="description" content="The latest NFL S tandings by Division, Conference and League" />\n<meta name="keywords" con tent="" />\n\n<meta property="og:title" content="NFL.com | Official Site o</pre> f the National Football League" />\n<meta property="og:description" conten t="The official source for NFL news, video highlights, fantasy football, g ame-day coverage, schedules, stats, scores and more." />\n<meta property ="og:type" content="website" />\n<meta property="og:url" content="https:// www.nfl.com/standings/league/2019/reg" />\n<meta property="og:site_name" c</pre> ontent="NFL.com" />\n<meta property="og:locale" content="en-US" />\n<meta</pre> property="og:image" content="https://static.www.nfl.com/image/upload/v1554 321393/league/nvfr7ogywskqrfaiu38m.svg" />\n<meta property="og:image:type"

```
In [9]: soup = BeautifulSoup(page.text, 'lxml')
```

```
In [10]: #Subsets the HTML to only get the HTML of our table needed
       table = soup.find('table', class_="d3-o-table d3-o-table--row-striping d3-o-ta
       table
       \triangleleft
Out[10]: <table class="d3-o-table d3-o-table--row-striping d3-o-table--detailed d3-
       o-standings--detailed d3-o-table--sortable {sortlist: [[4,1]], sortinitial
       order: 'desc'}" data-require="modules/tableSortable" summary="Standings -
       Detailed View">
       <caption class="d3-o-table__caption">
           Standings - Detailed View
          </caption>
       <thead>
       NFL Team
               L
```

```
In [12]: table.find_all('th')
Out[12]: [
         NFL Team
         ,
    W
         ,
    ,
    Т
         ,
    ,
    ΡF
         ,
    PΑ
         ,
    Net Pts
         ,
    Home
         ,
    Road
         ,
    Div
    ,

         ,
    Conf
         ,
    Pct
         ,
    Non-Conf
         ,
    Strk
         ,
    Last 5
         ]
In [20]:
    #Gets all the column headers of our table
    headers = []
    for i in table.find_all('th'):
     title = i.text.strip().replace('\n', '')
     headers.append(title)
    print(headers)
    ['NFL Team', 'W', 'L', 'T', 'PCT', 'PF', 'PA', 'Net Pts', 'Home', 'Road', 'Di v', 'Pct', 'Conf', 'Pct', 'Non-Conf', 'Strk', 'Last 5']
In [ ]:
```

```
In [21]: #Creates a dataframe using the column headers from our table
df = pd.DataFrame(columns = headers)
df
```

Out[21]:

NFL Team W L T PCT PF PA Net Pts Home Road Div Pct Conf Pct Non-Strk 5

```
In [22]: table.find_all('tr')[1:]
                        2 - 3 - 0
                      ,
          <a aria-label="Go to Detroit Lions info page." class="d3-o-club-info" hre</pre>
         f="/teams/detroit-lions/">
          <div class="d3-o-club-logo">
          <picture><!--[if IE 9]><video style="display: none; "><![endif]--><source</pre>
         media="(min-width:1024px)" srcset="https://static.www.nfl.com/t_q-best/lea
         gue/api/clubs/logos/DET"/><source media="(min-width:768px)" srcset="http</pre>
         s://static.www.nfl.com/t_q-best/league/api/clubs/logos/DET"/><source srcse</pre>
         t="https://static.www.nfl.com/t_q-best/league/api/clubs/logos/DET"/><!--[i
         f IE 9]></video><![endif]--><img class="img-responsive" src="https://stati
         c.www.nfl.com/t_q-best/league/api/clubs/logos/DET"/></picture>
          <div class="d3-o-club-fullname">
                      Detroit Lions
                    //div/>
```

```
In [32]: #gets all our data within the table and adds it to our dataframe

for j in table.find_all('tr')[1:]:
    row_data = j.find_all('td')
    row = [tr.text for tr in row_data]
    length = len(df)
    df.loc[length] = row

df.replace('\n', '', regex=True, inplace=True)
df
```

Out[32]:

	NFL Team	w	L	т	РСТ	PF	PA	Net Pts	Home	Road	Div	Pct	Conf	Pct	Non Con
0	Cincinnati Bengals	2	14	0	0.125	279	420	-141	2-6-	0 - 8 - 0	1 - 5 - 0	0.167	2 - 10 - 0	0.167	0 -
1	Detroit Lions	3	12	1	0.219	341	423	-82	2-6-	1 - 6 - 1	0 - 6 - 0	0.000	2 - 9 - 1	0.208	1 - -
2	Washington Commanders 	3	13	0	0.188	266	435	-169	1 - 7 - 0	2 - 6 - 0	0 - 6 - 0	0.000	2 - 10 - 0	0.167	1 - -
3	New York Giants	4	12	0	0.250	341	451	-110	2-6-	2 - 6 - 0	2 - 4 - 0	0.333	3 - 9 - 0	0.250	1 - -
4	Arizona Cardinals	5	10	1	0.344	361	442	-81	2 - 5 - 1	3 - 5 - 0	1 - 5 - 0	0.167	3 - 8 - 1	0.292	2 -
251	New England Patriots xz	12	4	0	0.750	420	225	195	6-2-	6 - 2 - 0	5 - 1 - 0	0.833	8 - 4 - 0	0.667	4 -
252	Green Bay Packers xz	13	3	0	0.813	376	313	63	7 - 1 - 0	6 - 2 - 0	6 - 0 - 0	1.000	10 - 2 - 0	0.833	3 - -
253	New Orleans Saints xz	13	3	0	0.813	458	341	117	6-2-	7 - 1 - 0	5 - 1 - 0	0.833	9 - 3 - 0	0.750	4 -
254	San Francisco 49ers x*	13	3	0	0.813	479	310	169	6-2-	7 - 1 - 0	5 - 1 - 0	0.833	10 - 2 - 0	0.833	3 - -
255	Baltimore Ravens xz* 	14	2	0	0.875	531	282	249	7 - 1 - 0	7 - 1 - 0	5 - 1 - 0	0.833	10 - 2 - 0	0.833	4 -

256 rows × 17 columns

In []: