Daniel Mehta

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In [1]: import requests
         from bs4 import BeautifulSoup
         import pandas as pd
 In [6]: #Imports the HTML into python
         url = 'https://www.nfl.com/standings/league/2019/reg/'
         response = requests.get(url)
         html content = response.text
 In [ ]:
In [13]: #Subsets the HTML to only get the HTML of our table needed
         soup = BeautifulSoup(html content, 'html.parser')
         table = soup.find('table', class ='d3-o-table')
 In []:
In [16]: #Gets all the column headers of our table
         headers = []
         for th in table.find('thead').find all('th'):
             header text = th.text.strip()
             headers.append(header text)
         print(headers)
        ['NFL Team', 'W', 'L', 'T', 'PCT', 'PF', 'PA', 'Net Pts', 'Home', 'Road', 'Div', 'Pct', 'Conf', 'Pct', 'Non-Conf', 'Str
        k', 'Last 5']
 In [ ]:
In [17]: #Creates a dataframe using the column headers from our table
         df = pd.DataFrame(columns=headers)
         df.head()
Out[17]:
           NFL Team W L T PCT PF PA Net Pts Home Road Div Pct Conf Pct Non-Conf Strk Last 5
 In [ ]:
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In [19]: #gets all our data within the table and adds it to our dataframe
    rows = table.find('tbody').find_all('tr')

for row in rows:
    cells = row.find_all('td')
    row_data = [cell.get_text(strip=True) for cell in cells]

    df.loc[len(df)] = row_data
```

In [21]: df.head(10)

Out[21]:

NFL Team	w	L	т	PCT	PF	PA	Net Pts	Home	Road	Div	Pct	Conf	Pct	Non- Conf	Strk	Last 5
Cincinnati BengalsBengals	2	14	0	0.125	279	420	-141	2 - 6 - 0	0 - 8 -	1 - 5 - 0	0.167	2 - 10 - 0	0.167	0 - 4 -	1W	2 - 3 - 0
Detroit LionsLions	3	12	1	0.219	341	423	-82	2 - 6 -	1 - 6 - 1	0 - 6 - 0	0.000	2 - 9 - 1	0.208	1 - 3 - 0	9L	0 - 5 - 0
Washington CommandersRedskins	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 - 0	4L	1 - 4 -
New York GiantsGiants	4	12	0	0.250	341	451	-110	2 - 6 -	2 - 6 - 0	2 - 4 - 0	0.333	3 - 9 <i>-</i> 0	0.250	1 - 3 - 0	1L	2 - 3 - 0
Arizona CardinalsCardinals	5	10	1	0.344	361	442	-81	2 - 5 -	3 - 5 -	1 - 5 - 0	0.167	3 - 8 - 1	0.292	2 - 2 - 0	1L	2 - 3 - 0
Carolina PanthersPanthers	5	11	0	0.313	340	470	-130	2 - 6 -	3 - 5 -	1 - 5 - 0	0.167	2 - 10 - 0	0.167	3 - 1 - 0	8L	0 - 5 - 0
Los Angeles ChargersChargers	5	11	0	0.313	337	345	-8	2 - 6 -	3 - 5 -	0 - 6 - 0	0.000	3 - 9 - 0	0.250	2 - 2 -	3L	1 - 4 -
Miami DolphinsDolphins	5	11	0	0.313	306	494	-188	3 - 5 -	2 - 6 - 0	2 - 4 - 0	0.333	4 - 8 -	0.333	1 - 3 - 0	2W	3 - 2 - 0
Cleveland BrownsBrowns	6	10	0	0.375	335	393	-58	4 - 4 - 0	2 - 6 - 0	3 - 3 - 0	0.500	6 - 6 - 0	0.500	0 - 4 -	3L	1 - 4 -
Jacksonville JaguarsJaguars	6	10	0	0.375	300	397	-97	3 - 5 -	3 - 5 -	2 - 4 - 0	0.333	6 - 6 - 0	0.500	0 - 4 -	1W	2 - 3 - 0
	Cincinnati BengalsBengals Detroit LionsLions Washington CommandersRedskins New York GiantsGiants Arizona CardinalsCardinals Carolina PanthersPanthers Los Angeles ChargersChargers Miami DolphinsDolphins Cleveland BrownsBrowns Jacksonville	Detroit LionsLions 3 Washington CommandersRedskins 3 New York GiantsGiants 4 Arizona CardinalsCardinals 5 Carolina PanthersPanthers 5 Los Angeles ChargersChargers 5 Miami DolphinsDolphins 5 Cleveland BrownsBrowns 6 Jacksonville 6	Cincinnati BengalsBengals 2 14 Detroit LionsLions 3 12 Washington CommandersRedskins 4 12 Arizona CardinalsCardinals 5 10 Carolina PanthersPanthers 5 11 Los Angeles ChargersChargers 5 11 Miami DolphinsDolphins 5 11 Cleveland BrownsBrowns 6 10 Jacksonville 6 10	Cincinnati BengalsBengals 2 14 0 Detroit LionsLions 3 12 1 Washington CommandersRedskins 3 13 0 New York GiantsGiants 4 12 0 Arizona CardinalsCardinals 5 10 1 Carolina PanthersPanthers 5 11 0 Los Angeles ChargersChargers 5 11 0 Miami DolphinsDolphins 5 11 0 Cleveland BrownsBrowns 6 10 0	Cincinnati BengalsBengals 2 14 0 0.125 Detroit LionsLions 3 12 1 0.219 Washington CommandersRedskins 3 13 0 0.188 New York GiantsGiants 4 12 0 0.250 Arizona CardinalsCardinals 5 10 1 0.344 Carolina PanthersPanthers 5 11 0 0.313 Los Angeles Chargers 5 11 0 0.313 Miami DolphinsDolphins 5 11 0 0.313 Cleveland BrownsBrowns 6 10 0 0.375	Cincinnati BengalsBengals 2 14 0 0.125 279 Detroit LionsLions 3 12 1 0.219 341 Washington CommandersRedskins 3 13 0 0.188 266 New York GiantsGiants 4 12 0 0.250 341 Arizona CardinalsCardinals 5 10 1 0.344 361 Carolina PanthersPanthers 5 11 0 0.313 340 Los Angeles Chargers 5 11 0 0.313 337 Miami DolphinsDolphins 5 11 0 0.313 306 Cleveland BrownsBrowns 6 10 0 0.375 300	Cincinnati BengalsBengals 2 14 0 0.125 279 420 Detroit LionsLions 3 12 1 0.219 341 423 Washington CommandersRedskins 3 13 0 0.188 266 435 New York GiantsGiants 4 12 0 0.250 341 451 Arizona CardinalsCardinals 5 10 1 0.344 361 442 Carolina PanthersPanthers 5 11 0 0.313 340 470 Los Angeles Chargers Chargers 5 11 0 0.313 337 345 Miami DolphinsDolphins 5 11 0 0.313 306 494 Cleveland BrownsBrowns 6 10 0 0.375 300 397	NFL Team W L I PCI PF PA Pts Cincinnati BengalsBengals 2 14 0 0.125 279 420 -141 Detroit LionsLions 3 12 1 0.219 341 423 -82 Washington CommandersRedskins 3 13 0 0.188 266 435 -169 New York GiantsGiants 4 12 0 0.250 341 451 -110 Arizona CardinalsCardinals 5 10 1 0.344 361 442 -81 Carolina PanthersPanthers 5 11 0 0.313 340 470 -130 Los Angeles Chargers Chargers 5 11 0 0.313 337 345 -8 Miami DolphinsDolphins 5 11 0 0.313 306 494 -188 Cleveland BrownsBrowns 6 10 0 0.375 335 393 -58	NFL leam W L I PCI PF PA Pts Home Cincinnati BengalsBengals 2 14 0 0.125 279 420 -141 2 - 6 - 0 Detroit LionsLions 3 12 1 0.219 341 423 -82 2 - 6 - 0 Washington CommandersRedskins 3 13 0 0.188 266 435 -169 1 - 7 - 0 New York GiantsGiants 4 12 0 0.250 341 451 -110 2 - 6 - 0 Arizona CardinalsCardinals 5 10 1 0.344 361 442 -81 2 - 5 - 1 Carolina PanthersPanthers 5 11 0 0.313 340 470 -130 2 - 6 - 0 Miami DolphinsDolphins 5 11 0 0.313 337 345 -8 2 - 6 - 0 Cleveland BrownsBrowns 6 10 0 0.375 335 393 -58 4 - 4 -	Cincinnati BengalsBengals 2 14 0 0.125 279 420 -141 2-6-0 0-8-0 Detroit LionsLions 3 12 1 0.219 341 423 -82 2-6-0 1-6-1 Washington CommandersRedskins 3 13 0 0.188 266 435 -169 1-7-0 2-6-0 New York GiantsGiants 4 12 0 0.250 341 451 -110 2-6-0 2-6-0 Arizona CardinalsCardinals 5 10 1 0.344 361 442 -81 2-5-0 3-5-0 Carolina PanthersPanthers 5 11 0 0.313 340 470 -130 2-6-0 3-5-0 Miami DolphinsDolphins 5 11 0 0.313 337 345 -8 2-6-0 3-5-0 Cleveland BrownsBrowns 6 10 0 0.375 300 397 -97 3-5-0 2-6-0	NFL leam W L I PCI PF PA Pts Home Road Div Cincinnati BengalsBengals 2 14 0 0.125 279 420 -141 2-6-0 0-8-0 1-5-0 Detroit LionsLions 3 12 1 0.219 341 423 -82 2-6-0 1-6-0 0-6-0 Washington CommandersRedskins 3 13 0 0.188 266 435 -169 1-7-0 2-6-0 0-6-0 New York GiantsGiants 4 12 0 0.250 341 451 -110 2-6-0 2-6-0 2-6-0 2-4-0 Arizona CardinalsCardinals 5 10 1 0.344 361 442 -81 2-5-1 3-5-1 1-5 Carolina PanthersPanthers 5 11 0 0.313 340 470 -130 2-6-0 3-5-0 1-5 ChargersChargers 5 11 0 0.313	NFL Team W L PCT PF PA PES Home Road Div PES Cincinnati BengalsBengals 2 1 0 0.125 279 420 -141 2-6-0 0-8-0 1-5-0 0.167 Detroit LionsLions 3 12 1 0.219 341 423 -82 2-6-0 1-6-1 0-6 0.000 Mashington CommandersRedskins 3 13 0 0.188 266 435 -169 1-7-0 2-6-0 0-6 0.000 New York GiantsGiants 4 12 0 0.250 341 451 -110 2-6-0 2-6-0 0-6 0.333 Arizona Cardinals Cardinals 5 11 0 0.344 361 442 -81 2-5-1 3-5-0 1-5 0.167 Carolina PanthersPanthers 5 11 0 0.313 337 345 -8 2-6-0 3-5-0 0-6 0 0.00	New York GiantsGandslagers Carolina PanthersPanthers ChargersChargers 7 9 9A 9BA 9BA	Cincinnati BengalsBengals 2 14 0 0.125 279 420 -141 2 - 6 - 0 - 8 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0	Cincinnati BengalsBengals 2 14 90 91 94 91 96 9	NFI leam W L I PA PA