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#importing the libraries
from bs4 import BeautifulSoup
import requests
import pandas as pd

url = "https://www.formula1.com/en/results.html/2020/drivers.html" #website url

html = requests.get(url).text. #requesting url
soup = BeautifulSoup(html,"lxml") #parsing into lxml
print(soup.prettify())

print(soup.title.text) #test case

Standings

river_standings = soup.find_all("table",attrs={"class":"resultsarchive-table"}) #sc
al=soup.find_all('td')

ata = []
or tag in val:
    data.append(tag.text.replace('\n',' ').strip()). #cleaning the \n

rint(data)

['', '1', 'Lewis Hamilton HAM', 'GBR', 'Mercedes', '307', '', '', '2', 'Valtt

# removing empty values
while('' in data):
    data.remove('')
print(data)

['1', 'Lewis Hamilton HAM', 'GBR', 'Mercedes', '307', '2', 'Valtteri Bottas B

# creating a sublist of list
x = [data[i:i+5] for i in range(0,len(data),5)]
x

[['1', 'Lewis Hamilton HAM', 'GBR', 'Mercedes', '307'],
 ['2', 'Valtteri Bottas BOT', 'FIN', 'Mercedes', '197'],
 ['3', 'Max Verstappen VER', 'NED', 'Red Bull Racing Honda', '170'],
 ['4', 'Sergio Perez PER', 'MEX', 'Racing Point BWT Mercedes', '100'],
 ['5', 'Charles Leclerc LEC', 'MON', 'Ferrari', '97'],
 ['6', 'Daniel Ricciardo RIC', 'AUS', 'Renault', '96'],
 ['7', 'Carlos Sainz SAI', 'ESP', 'McLaren Renault', '75'],
 ['8', 'Lando Norris NOR', 'GBR', 'McLaren Renault', '74'],
 ['9', 'Alexander Albon ALB', 'THA', 'Red Bull Racing Honda', '70'],
 ['10', 'Pierre Gasly GAS', 'FRA', 'AlphaTauri Honda', '63'],
 ['11', 'Lance Stroll STR', 'CAN', 'Racing Point BWT Mercedes', '59'],
 ['12', 'Esteban Ocon OCO', 'FRA', 'Renault', '40'],
 ['13', 'Sebastian Vettel VET', 'GER', 'Ferrari', '33'],
 ['14', 'Daniil Kvyat Kvy', 'RUS', 'AlphaTauri Honda', '26'],
 ['15', 'Nico Hulkenberg HUL', 'GER', 'Racing Point BWT Mercedes', '10'],

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[ '16', 'Kimi R  ikk  nen RAI', 'FIN', 'Alfa Romeo Racing Ferrari', '4'],
[ '17', 'Antonio Giovinazzi GIO', 'ITA', 'Alfa Romeo Racing Ferrari', '4'],
[ '18', 'Romain Grosjean GRO', 'FRA', 'Haas Ferrari', '2'],
[ '19', 'Kevin Magnussen MAG', 'DEN', 'Haas Ferrari', '1'],
[ '20', 'Nicholas Latifi LAT', 'CAN', 'Williams Mercedes', '0'],
[ '21', 'George Russell RUS', 'GBR', 'Williams Mercedes', '0']]
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#Ccreating a dataframe
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df = pd.DataFrame(x,columns = [ 'POS', 'DRIVER', 'COUNTRY', 'CAR', 'PTS' ])
df.to_csv("Drivers.csv")
df
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	POS	DRIVER	COUNTRY	CAR	PTS
0	1	Lewis Hamilton HAM	GBR	Mercedes	307
1	2	Valtteri Bottas BOT	FIN	Mercedes	197
2	3	Max Verstappen VER	NED	Red Bull Racing Honda	170
3	4	Sergio Perez PER	MEX	Racing Point BWT Mercedes	100
4	5	Charles Leclerc LEC	MON	Ferrari	97
5	6	Daniel Ricciardo RIC	AUS	Renault	96
6	7	Carlos Sainz SAI	ESP	McLaren Renault	75
7	8	Lando Norris NOR	GBR	McLaren Renault	74
8	9	Alexander Albon ALB	THA	Red Bull Racing Honda	70
9	10	Pierre Gasly GAS	FRA	AlphaTauri Honda	63
10	11	Lance Stroll STR	CAN	Racing Point BWT Mercedes	59
11	12	Esteban Ocon OCO	FRA	Renault	40
12	13	Sebastian Vettel VET	GER	Ferrari	33
13	14	Daniil Kvyat KVY	RUS	AlphaTauri Honda	26
14	15	Nico Hulkenberg HUL	GER	Racing Point BWT Mercedes	10
15	16	Kimi R��ikk��nen RAI	FIN	Alfa Romeo Racing Ferrari	4
16	17	Antonio Giovinazzi GIO	ITA	Alfa Romeo Racing Ferrari	4
17	18	Romain Grosjean GRO	FRA	Haas Ferrari	2
18	19	Kevin Magnussen MAG	DEN	Haas Ferrari	1
19	20	Nicholas Latifi LAT	CAN	Williams Mercedes	0
20	21	George Russell RUS	GBR	Williams Mercedes	0

