QSN: Use only BeautifulSoup (not pandas) to extract a table from the following link -

https://www.espncricinfo.com/series/ipl-2021-1249214/points-table-standings (https://www.espncricinfo.com/series/ipl-2021-1249214/points-table-standings)

In [1]:

pip install requests

Requirement already satisfied: requests in e:\users\bharat\appdata\local\programs\python\python310\lib\site-packages (2.28.0)

Requirement already satisfied: certifi>=2017.4.17 in e:\users\bharat\appdata \local\programs\python\python310\lib\site-packages (from requests) (2022.6.1 5)

Requirement already satisfied: idna<4,>=2.5 in e:\users\bharat\appdata\local \programs\python\python310\lib\site-packages (from requests) (3.3)

Requirement already satisfied: charset-normalizer~=2.0.0 in e:\users\bharat \appdata\local\programs\python\python310\lib\site-packages (from requests) (2.0.12)

Requirement already satisfied: urllib3<1.27,>=1.21.1 in e:\users\bharat\appd ata\local\programs\python\python310\lib\site-packages (from requests) (1.26.9)

Note: you may need to restart the kernel to use updated packages.

WARNING: You are using pip version 22.0.4; however, version 22.1.2 is available.

You should consider upgrading via the 'E:\Users\Bharat\AppData\Local\Program s\Python\Python310\python.exe -m pip install --upgrade pip' command.

In [2]:

import requests

In [3]:

pip install bs4

Requirement already satisfied: bs4 in e:\users\bharat\appdata\local\programs \python\python310\lib\site-packages (0.0.1)

Requirement already satisfied: beautifulsoup4 in e:\users\bharat\appdata\loc al\programs\python\python310\lib\site-packages (from bs4) (4.11.1)

Requirement already satisfied: soupsieve>1.2 in e:\users\bharat\appdata\loca l\programs\python\python310\lib\site-packages (from beautifulsoup4->bs4) (2. 3.2.post1)

Note: you may need to restart the kernel to use updated packages.

WARNING: You are using pip version 22.0.4; however, version 22.1.2 is availa ble.

You should consider upgrading via the 'E:\Users\Bharat\AppData\Local\Program s\Python\Python310\python.exe -m pip install --upgrade pip' command.

In [4]:

from bs4 import BeautifulSoup

In [5]:

url='https://www.espncricinfo.com/series/ipl-2021-1249214/points-table-standings'

```
In [6]:
```

```
a=requests.get(url)
a.text
```

Out[6]:

'<!DOCTYPE html><html><head><meta charSet="utf-8"/><link rel="preload" hre</pre> f="https://wassets.hscicdn.com/static/fonts/CiIcons/ci-icons-v2.1/fonts/ic omoon.woff?gencn3" as="font" type="font/woff2" crossorigin="anonymous"/><1 ink rel="preload" href="https://wassets.hscicdn.com/static/fonts/BentonSan s/BentonSans-Bold/BentonSans-Bold.woff" as="font" type="font/woff" crossor igin="anonymous"/><link rel="preload" href="https://wassets.hscicdn.com/st</pre> atic/fonts/BentonSans/BentonSans-Regular/BentonSans-Regular.woff" as="fon t" type="font/woff" crossorigin="anonymous"/><link rel="preload" href="htt ps://wassets.hscicdn.com/static/fonts/BentonSans/BentonSans-Medium/BentonS ans-Medium.woff" as="font" type="font/woff" crossorigin="anonymous"/><link rel="preconnect" href="https://wassets.hscicdn.com" crossorigin="anonymou s"/><link rel="preconnect" href="https://img1.hscicdn.com" crossorigin="an</pre> onymous"/><script type="text/javascript">\n /*! js-cookie v3.0.0rc.0 | MIT */\n !function(e,t){"object"==typeof exports&&"undefin ed"!=typeof module?module.exports=t():"function"==typeof define&&define.am d?define(t):(e=e||self,function(){var r=e.Cookies,n=e.Cookies=t();n.noConf lict=function(){return e.Cookies=r,n}}())}(this,function(){"use strict";fu

In [7]:

a

Out[7]:

<Response [200]>

In [8]:

b=a.content

In [9]:

soup=BeautifulSoup(b,'html.parser')

```
In [10]:
print(soup.prettify())
<!DOCTYPE html>
<html>
 <head>
  <meta charset="utf-8"/>
  <link as="font" crossorigin="anonymous" href="https://wassets.hscicdn.co</pre>
m/static/fonts/CiIcons/ci-icons-v2.1/fonts/icomoon.woff?gencn3" rel="prelo
ad" type="font/woff2"/>
  <link as="font" crossorigin="anonymous" href="https://wassets.hscicdn.co</pre>
m/static/fonts/BentonSans/BentonSans-Bold/BentonSans-Bold.woff" rel="prelo
ad" type="font/woff"/>
  <link as="font" crossorigin="anonymous" href="https://wassets.hscicdn.co</pre>
m/static/fonts/BentonSans/BentonSans-Regular/BentonSans-Regular.woff" rel
="preload" type="font/woff"/>
  <link as="font" crossorigin="anonymous" href="https://wassets.hscicdn.co</pre>
m/static/fonts/BentonSans/BentonSans-Medium/BentonSans-Medium.woff" rel="p
reload" type="font/woff"/>
  <link crossorigin="anonymous" href="https://wassets.hscicdn.com" rel="pr</pre>
econnect"/>
  <link crossorigin="anonymous" href="https://img1.hscicdn.com" rel="preco</pre>
In [11]:
title=soup.find('title')
title.text
Out[11]:
'IPL 2021 Table, Matches, win, loss, points for IPL'
In [12]:
score_table=soup.find('tbody')
score_table
Out[12]:
t-tight-s"><td class="ds-min-w-max ds-border-r ds-border-line ds-bg-fill-c
ontent-prime"><a class="ds-flex ds-items-center" href="/team/delhi-capital
s-335975"><span class="ds-text-tight-xs ds-font-bold ds-pr-3">1</span><div
class="ds-flex ds-items-center ds-space-x-2"><img alt="Delhi Capitals" hei
ght="24" src="https://wassets.hscicdn.com/static/images/lazyimage-noaspec
```

t.svg" style="width:24px;height:24px" width="24"/>Delhi Capitals</div></ a>1410<td class="ds-min-w-max">40<td class="ds-mi n-w-max">0200.4810.481 x">2180/267.02136/278.0<td class="ds-mi n-w-max ds-cursor-pointer"><div class="ds-flex"><div class="ds-flex ds-fle x-row ds-justify-center ds-items-start ds-space-x-1 ds-cursor-pointer"><di v class="ds-popper-wrapper"><div class="ds-relative ds-cursor-pointer"><di v class="ds-w-4 ds-h-4 ds-rounded ds-flex ds-items-center ds-justify-cente r ds-bg-ui-fill-error"><span class="ds-text-tight-xs ds-font-medium ds-tex

```
In [13]:
```

```
print(score_table.prettify())
<td class="ds-min-w-max ds-border-r ds-border-line ds-bg-fill-content-pr
ime">
  <a class="ds-flex ds-items-center" href="/team/delhi-capitals-335975">
   <span class="ds-text-tight-xs ds-font-bold ds-pr-3">
    1
   </span>
   <div class="ds-flex ds-items-center ds-space-x-2">
    <img alt="Delhi Capitals" height="24" src="https://wassets.hscicdn.co</pre>
m/static/images/lazyimage-noaspect.svg" style="width:24px;height:24px" wid
th="24"/>
    <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">
     Delhi Capitals
    </span>
   </div>
  </a>
 In [14]:
teams=[]
for listing in score_table.find_all('tr'):
   print(listing.prettify())
<td class="ds-min-w-max ds-border-r ds-border-line ds-bg-fill-content-pri
 <a class="ds-flex ds-items-center" href="/team/delhi-capitals-335975">
  <span class="ds-text-tight-xs ds-font-bold ds-pr-3">
  </span>
  <div class="ds-flex ds-items-center ds-space-x-2">
   <img alt="Delhi Capitals" height="24" src="https://wassets.hscicdn.co</pre>
m/static/images/lazyimage-noaspect.svg" style="width:24px;height:24px" wid
th="24"/>
   <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">
    Delhi Capitals
   </span>
  </div>
 </a>
14
 · /+ d >
```

In [15]:

a=score_table.find_all('tr', class_="ds-border-b ds-border-line ds-text-tight-s")
a

Out[15]:

[w-max ds-border-r ds-border-line ds-bg-fill-content-prime">1<div class="ds-flex ds-items-cent er ds-space-x-2">Delhi Capitals</div><td class="ds-min-w-ma x">14104< td class="ds-min-w-max">00<td class="ds -min-w-max ds-border-r ds-border-line">20<td class ="ds-min-w-max">0.4812180/267.0<td clas s="ds-min-w-max">2136/278.0<td class="ds-min-w-max ds-cursor-pointe" r"><div class="ds-flex"><div class="ds-flex ds-flex-row ds-justify-center ds-items-start ds-space-x-1 ds-cursor-pointer"><div class="ds-popper-wrapp" er"><div class="ds-relative ds-cursor-pointer"><div class="ds-w-4 ds-h-4 d s-rounded ds-flex ds-items-center ds-justify-center ds-bg-ui-fill-error">< span class="ds-text-tight-xs ds-font-medium ds-text-raw-white">L</d</pre>

In [16]:

b=score_table.find_all('td', class_="ds-min-w-max ds-border-r ds-border-line ds-bg-fill-con
b

Out[16]:

[<sp an class="ds-text-tight-xs ds-font-bold ds-pr-3">1<div class="ds-flex ds-items-center ds-space-x-2">Delhi Capitals</div>,

<a class="ds-flex ds-items-center" href="/team/chennai-super-kings-33597
4">2<div class="d
s-flex ds-items-center ds-space-x-2"><img alt="Chennai Super Kings" height
="24" src="https://wassets.hscicdn.com/static/images/lazyimage-noaspect.svg"
style="width:24px;height:24px" width="24"/><span class="ds-text-tight-s ds-f
ont-bold ds-uppercase ds-text-left">Chennai Super Kings</div>

<a class="ds-flex ds-items-center" href="/team/royal-challengers-bangalor
e-335970">3<div c
lass="ds-flex ds-items-center ds-space-x-2"><img alt="Royal Challengers Bang
alore" height="24" src="https://wassets.hscicdn.com/static/images/lazyimagenoaspect.svg" style="width:24px;height:24px" width="24"/><span class="ds-tex
t-tight-s ds-font-bold ds-uppercase ds-text-left">Royal Challengers Bangalor
e</div>

<a class="ds-flex ds-items-center" href="/team/kolkata-knight-riders-3359
71">4<div class
="ds-flex ds-items-center ds-space-x-2"><img alt="Kolkata Knight Riders" hei
ght="24" src="https://wassets.hscicdn.com/static/images/lazyimage-noaspect.s
vg" style="width:24px;height:24px" width="24"/><span class="ds-text-tight-s
ds-font-bold ds-uppercase ds-text-left">Kolkata Knight Riders</div>,

<sp
an class="ds-text-tight-xs ds-font-bold ds-pr-3">5<div class="ds-flex
ds-items-center ds-space-x-2"><img alt="Mumbai Indians" height="24" src="htt
ps://wassets.hscicdn.com/static/images/lazyimage-noaspect.svg" style="width:
24px;height:24px" width="24"/><span class="ds-text-tight-s ds-font-bold ds-u
ppercase ds-text-left">Mumbai Indians</div>,

6<div class="ds-flex ds
-items-center ds-space-x-2"><img alt="Punjab Kings" height="24" src="http
s://wassets.hscicdn.com/static/images/lazyimage-noaspect.svg" style="width:2
4px;height:24px" width="24"/><span class="ds-text-tight-s ds-font-bold ds-up
percase ds-text-left">Punjab Kings</div>,

<
span class="ds-text-tight-xs ds-font-bold ds-pr-3">7<div class="ds-fl
ex ds-items-center ds-space-x-2"><img alt="Rajasthan Royals" height="24" src
="https://wassets.hscicdn.com/static/images/lazyimage-noaspect.svg" style="w
idth:24px;height:24px" width="24"/><span class="ds-text-tight-s ds-font-bold
ds-uppercase ds-text-left">Rajasthan Royals</div><//r>

<a class="ds-flex ds-items-center" href="/team/sunrisers-hyderabad-62833"</pre>

3">8<div class="d s-flex ds-items-center ds-space-x-2">Sunrisers Hyderabad</div>

In [17]:

```
c=score_table.find_all('div', class_="ds-flex ds-items-center ds-space-x-2")
c
```

Out[17]:

[<div class="ds-flex ds-items-center ds-space-x-2">Delhi Capitals</div>, <div class="ds-flex ds-items-center ds-space-x-2">Chennai Super Kings</div>,

<div class="ds-flex ds-items-center ds-space-x-2"><img alt="Royal Challenge
rs Bangalore" height="24" src="https://wassets.hscicdn.com/static/images/laz
yimage-noaspect.svg" style="width:24px;height:24px" width="24"/><span class
="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Royal Challengers
Bangalore</div>,

<div class="ds-flex ds-items-center ds-space-x-2"><img alt="Kolkata Knight
Riders" height="24" src="https://wassets.hscicdn.com/static/images/lazyimage
-noaspect.svg" style="width:24px;height:24px" width="24"/><span class="ds-te
xt-tight-s ds-font-bold ds-uppercase ds-text-left">Kolkata Knight Riders</sp
an></div>,

<div class="ds-flex ds-items-center ds-space-x-2"><img alt="Mumbai Indians"</pre> height="24" src="https://wassets.hscicdn.com/static/images/lazyimage-noaspec t.svg" style="width:24px;height:24px" width="24"/>Mumbai Indians</div>, <div class="ds-flex ds-items-center ds-space-x-2"><img alt="Punjab Kings" h</pre> eight="24" src="https://wassets.hscicdn.com/static/images/lazyimage-noaspec t.svg" style="width:24px;height:24px" width="24"/>Punjab Kings</div>, <div class="ds-flex ds-items-center ds-space-x-2"><img alt="Rajasthan Royal</pre> s" height="24" src="https://wassets.hscicdn.com/static/images/lazyimage-noas pect.svg" style="width:24px;height:24px" width="24"/><span class="ds-text-ti</pre> ght-s ds-font-bold ds-uppercase ds-text-left">Rajasthan Royals</div>, <div class="ds-flex ds-items-center ds-space-x-2"><img alt="Sunrisers Hyder</pre> abad" height="24" src="https://wassets.hscicdn.com/static/images/lazyimage-n oaspect.svg" style="width:24px;height:24px" width="24"/>Sunrisers Hyderabad </div>]

```
In [18]:
```

```
d=score_table.find_all('span', class_="ds-text-tight-s ds-font-bold ds-uppercase ds-text-le
d
```

Out[18]:

```
[<span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Delhi
Capitals</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Chenna
i Super Kings</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Royal
Challengers Bangalore</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Kolkat
a Knight Riders</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Mumbai
Indians</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Punjab
Kings</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Rajast
han Royals</span>,
 <span class="ds-text-tight-s ds-font-bold ds-uppercase ds-text-left">Sunris
ers Hyderabad</span>]
```

In [19]:

```
teams=[]
for x in d:
    teams.append(x.text)
teams
```

Out[19]:

```
['Delhi Capitals',
'Chennai Super Kings',
'Royal Challengers Bangalore',
'Kolkata Knight Riders',
'Mumbai Indians',
'Punjab Kings',
'Rajasthan Royals',
'Sunrisers Hyderabad']
```

```
In [23]:
```

pip install pandas

Requirement already satisfied: pandas in e:\users\bharat\appdata\local\programs\python\python310\lib\site-packages (1.4.2)Note: you may need to restart the kernel to use updated packages.

Requirement already satisfied: pytz>=2020.1 in e:\users\bharat\appdata\local \programs\python\python310\lib\site-packages (from pandas) (2022.1) Requirement already satisfied: python-dateutil>=2.8.1 in e:\users\bharat\app data\local\programs\python\python310\lib\site-packages (from pandas) (2.8.2) Requirement already satisfied: numpy>=1.21.0 in e:\users\bharat\appdata\loca l\programs\python\python310\lib\site-packages (from pandas) (1.22.4) Requirement already satisfied: six>=1.5 in e:\users\bharat\appdata\local\programs\python\python310\lib\site-packages (from python-dateutil>=2.8.1->panda s) (1.16.0)

WARNING: You are using pip version 22.0.4; however, version 22.1.2 is availa ble.

You should consider upgrading via the 'E:\Users\Bharat\AppData\Local\Program s\Python\Python310\python.exe -m pip install --upgrade pip' command.

In [24]:

import pandas as pd

In [26]:

```
dict={'teams':teams}
```

In [27]:

print(dict)

{'teams': ['Delhi Capitals', 'Chennai Super Kings', 'Royal Challengers Banga lore', 'Kolkata Knight Riders', 'Mumbai Indians', 'Punjab Kings', 'Rajasthan Royals', 'Sunrisers Hyderabad']}

In [28]:

bb=pd.DataFrame(dict)

```
In [29]:
```

bb

Out[29]:

teams Delhi Capitals Chennai Super Kings Royal Challengers Bangalore Kolkata Knight Riders Mumbai Indians Punjab Kings Rajasthan Royals

Sunrisers Hyderabad

In [30]:

7

```
bb.to_csv("ipl.csv")
```

In []: