Write a python program to scrape cricket rankings from icc-cricket.com. You have to scrape:

a) Top 10 ODI teams in women's cricket along with the records for matches, points and rating. b) Top 10 women's ODI Batting players along with the records of their team and rating. c) Top 10 women's ODI all-rounder along with the records of their team and rating.

In [1]:
```
!pip install requests
```

```
Requirement already satisfied: requests in ./opt/anaconda3/lib/python3.9/site-
packages (2.26.0)
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: idna<4,>=2.5 in ./opt/anaconda3/lib/python3.9/s
ite-packages (from requests) (3.2)
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: certifi>=2017.4.17 in ./opt/anaconda3/lib/pytho
n3.9/site-packages (from requests) (2021.10.8)
```

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]:
```
url = "https://www.icc-cricket.com/rankings/womens/team-rankings/odi"
```

In [5]:
```
import requests
```

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

In [7]:
```
r
```

Out[7]:
```
<Response [200]>
```

In [9]:
```
from bs4 import BeautifulSoup
```

In [11]:
```
soup = BeautifulSoup(r.content)
```

In [14]:
```
#soup
```

In [15]:
```
Team_Name=[]
```

In [16]:
```
for i in soup.find_all("span",class_="u-hide-phablet"):
    Team_Name.append(i.text)
```

In [17]:
```
Team_Name
```

Out[17]:
```
['Australia',
 'England',
 'South Africa',
 'India',
 'New Zealand',
 'West Indies',
 'Bangladesh',
 'Pakistan',
 'Ireland',
 'Sri Lanka',
 'Zimbabwe']
```

In [70]:
```
Matches = []
```

In [71]:
```
for i in soup.find_all("td",class_="rankings-block__banner--matches"):
    Matches.append(i.text)
```

In [72]:
```
#only 1 entry
Matches
```

Out[72]:
```
['29']
```

In [73]:
```
match_points = []
for i in soup.find_all("td",class_="table-body__cell u-center-text"):
    match_points.append(i.text)
```

In [74]:
```
match_points
```

Out[74]:
```
['34',
 '4,097',
 '35',
 '4,157',
 '33',
 '3,392',
 '32',
 '3,161',
 '31',
 '2,815',
 '12',
 '930',
 '30',
 '1,962',
 '11',
 '516',
 '11',
 '495',
 '8',
 '0']
```

In [75]:
```
# extracting matches and adding them in Match
```

In [76]:
```
len(match_points)
```

Out[76]:
```
20
```

In [79]:
```
for i in range(0,20,2):
    Matches.append(match_points[i])
```

In [78]:
```
Matches
```

Out[78]:
```
['29', '34', '35', '33', '32', '31', '12', '30', '11', '11', '8']
```

In [81]:
```
First_team_points = soup.find("td",class_="rankings-block__banner--points")
```

In [82]:
```
First_team_points.text
```

Out[82]:
```
'4,837'
```

In [83]:
```
Points=[]
```

In [84]:
```
Points.append(First_team_points.text)
```

In [86]:
```
for i in range(1,20,2):
    Points.append(match_points[i])
```

In [87]:
```
Points
```

Out[87]:
```
['4,837',
 '4,097',
 '4,157',
 '3,392',
 '3,161',
 '2,815',
 '930',
 '1,962',
 '516',
 '495',
 '0']
```

In [64]:
```
# now ratings extracting first element
```

In [65]:
```
Rating_First = soup.find("td","rankings-block__banner--rating u-text-right")
```

In [66]:
```
Rating_First.text
```

Out[66]:
```
'\n                                167\n                                \n\n'
```

In [91]:
```
Rating=[]
```

In [92]:
```
Rating.append(Rating_First.text.strip().replace("\n",""))
```

In [93]:
```
Rating
```

Out[93]:
```
['167']
```

In [94]:
```
for i in soup.find_all("td",class_="table-body__cell u-text-right rating"):
    Rating.append(i.text)
```

In [95]:
```
Rating
```

Out[95]:
```
['167', '121', '119', '103', '99', '91', '78', '65', '47', '45', '0']
```

Top 10 women's ODI Batting players along with the records of their team and rating.

In [113…
```
url = "https://www.icc-cricket.com/rankings/womens/player-rankings/odi"
```

In [114…
```
r = requests.get(url)
```

In [115…
```
r
```

Out[115…
```
<Response [200]>
```

In [122…
```
from bs4 import BeautifulSoup
```

In [123…
```
soup = BeautifulSoup(r.content)
```

In [124…
```
Top_PlayerName_AllFormat = []
```

In [125…
```
for i in soup.find_all("div",class_="rankings-block__banner--name"):
    Top_PlayerName_AllFormat.append(i.text)
```

In [126…
```
Top_PlayerName_AllFormat
```

Out[126…
```
['Alyssa Healy', 'Sophie Ecclestone', 'Ellyse Perry']
```

In [240…
```
Team_Rating = []
```

In [241…
```
# using strip to remove whitepspace and split to split the letters with in be
for i in soup.find_all("div",class_="rankings-block__banner--nationality"):
    Team_Rating.append(i.text.strip().split("\n                                ")
```

In [242…
```
Team_Rating
```

Out[242…
```
[['AUS', '785'], ['ENG', '748'], ['AUS', '374']]
```

In [243…
```
len(Team_Rating)
```

Out[243…
```
3
```

In [155…
```
# all player name
```

In [157…
```
All_Player= []
```

In [158…
```
for i in soup.find_all("td",class_="table-body__cell name"):
    All_Player.append(i.text)
```

In [159…
```
len(All_Player)
```

Out[159… 27

In [160…
```
# extracting team of all other players
```

In [162…
```
Team= []
```

In [163…
```
for i in soup.find_all("span",class_="table-body__logo-text"):
    Team.append(i.text)
```

In [164…
```
Team
```

Out[164…
```
['AUS',
 'ENG',
 'SA',
 'AUS',
 'AUS',
 'IND',
 'NZ',
 'IND',
 'SL',
 'AUS',
 'AUS',
 'SA',
 'IND',
 'SA',
 'IND',
 'WI',
 'SA',
 'ENG',
 'ENG',
 'SA',
 'WI',
 'NZ',
 'IND',
 'AUS',
 'AUS',
 'IND',
 'ENG']
```

In [165…
```
len(Team)
```

Out[165…
```
27
```

In [166…
```
# rating of all players
```

In [168…
```
Rating = []
for i in soup.find_all("td", class_="table-body__cell u-text-right rating"):
    Rating.append(i.text)
```

In [249…
```
Rating
```

Out[249…
```
['749',
 '740',
 '732',
 '710',
 '701',
 '698',
 '681',
 '662',
 '655',
 '725',
 '722',
 '722',
 '689',
 '634',
 '625',
 '612',
 '598',
 '597',
 '372',
 '349',
 '339',
 '336',
 '271',
 '270',
 '246',
 '219',
 '217']
```

In [169…
```
# Odi players with batting ranking team and points
```

In [180…
```
Odi_Top10 = []
```

In [181…
```
Odi_Top10.append(Top_PlayerName_AllFormat[0])
```

In [182…
```
for i in range(0,9):
    Odi_Top10.append(All_Player[i].replace("\n",""))
```

In [183…
```
Odi_Top10
```

Out[183…
```
['Alyssa Healy',
 'Beth Mooney',
 'Natalie Sciver',
 'Laura Wolvaardt',
 'Meg Lanning',
 'Rachael Haynes',
 'Smriti Mandhana',
 'Amy Satterthwaite',
 'Harmanpreet Kaur',
 'Chamari Athapaththu']
```

In [235…
```
Odi_Team=[]
```

In [244…
```
Odi_Team.append(Team_Rating[0][0])
```

In [245…
```
Odi_Team
```

Out[245…
```
['AUS']
```

In [246…
```
for i in range(0,9):
    Odi_Team.append(Team[i])
```

In [247…
```
Odi_Team
```

Out[247…
```
['AUS', 'AUS', 'ENG', 'SA', 'AUS', 'AUS', 'IND', 'NZ', 'IND', 'SL']
```

In [248…
```
Odi_Rating = []
```

In [250…
```
Odi_Rating.append(Team_Rating[0][1])
```

In [251…
```
for i in range(0,9):
    Odi_Rating.append(Rating[i])
```

In [252…
```
Odi_Rating
```

Out[252…
```
['785', '749', '740', '732', '710', '701', '698', '681', '662', '655']
```

In [253…
```
import pandas as pd
```

In [254…
```
df = pd.DataFrame({"Name":Odi_Top10,"Team":Odi_Team,"Rating":Odi_Rating})
```

In [256…
```
df.index +=1
```

In [257…
```
df
```

Out[257…

	Name	Team	Rating
1	Alyssa Healy	AUS	785
2	Beth Mooney	AUS	749
3	Natalie Sciver	ENG	740
4	Laura Wolvaardt	SA	732
5	Meg Lanning	AUS	710
6	Rachael Haynes	AUS	701
7	Smriti Mandhana	IND	698
8	Amy Satterthwaite	NZ	681
9	Harmanpreet Kaur	IND	662
10	Chamari Athapaththu	SL	655

In [258…

```
# now Top 10 women's ODI all-rounder along with the records of their team and
```

In [276…

```
All_Rounder_Name=[]
```

In [277…

```
All_Rounder_Name.append(Top_PlayerName_AllFormat[2])
```

In [278…

```
for i in range(18,27):
    All_Rounder_Name.append(All_Player[i].replace("\n",""))
```

In [279…

```
All_Rounder_Name
```

Out[279…

```
['Ellyse Perry',
 'Natalie Sciver',
 'Marizanne Kapp',
 'Hayley Matthews',
 'Amelia Kerr',
 'Deepti Sharma',
 'Ashleigh Gardner',
 'Jess Jonassen',
 'Jhulan Goswami',
 'Sophie Ecclestone']
```

In [303…

```
ALL_Rounder_Team=[]
```

In [304…

```
ALL_Rounder_Team.append(Team_Rating[2][0])
```

In [307…
```
for i in range(18,27):
    ALL_Rounder_Team.append(Team[i])
```

In [308…
```
ALL_Rounder_Team
```

Out[308…
```
['AUS', 'ENG', 'SA', 'WI', 'NZ', 'IND', 'AUS', 'AUS', 'IND', 'ENG']
```

In [310…
```
All_Rounder_Rating= []
```

In [312…
```
All_Rounder_Rating.append(Team_Rating[2][1])
```

In [313…
```
for i in range(18,27):
    All_Rounder_Rating.append(Rating[i])
```

In [314…
```
df1 = pd.DataFrame({"ALL Rounder Top 10 Names":All_Rounder_Name,"Team":ALL_Ro
 ,"Rating":All_Rounder_Rating})
```

In [316…
```
df1.index +=1
```

In [317…
```
df1
```

Out[317…

	ALL Rounder Top 10 Names	Team	Rating
1	Ellyse Perry	AUS	374
2	Natalie Sciver	ENG	372
3	Marizanne Kapp	SA	349
4	Hayley Matthews	WI	339
5	Amelia Kerr	NZ	336
6	Deepti Sharma	IND	271
7	Ashleigh Gardner	AUS	270
8	Jess Jonassen	AUS	246
9	Jhulan Goswami	IND	219
10	Sophie Ecclestone	ENG	217

In [ ]: