

In [1]:

```
!pip install bs4
```

```
Requirement already satisfied: bs4 in ./opt/anaconda3/lib/python3.9/site-packages (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 [2]:

```
!pip install requests
```

```
Requirement already satisfied: requests in ./opt/anaconda3/lib/python3.9/site-packages (2.26.0)
Requirement already satisfied: urllib3<1.27,>=1.21.1 in ./opt/anaconda3/lib/python3.9/site-packages (from requests) (1.26.7)
Requirement already satisfied: charset-normalizer~=2.0.0 in ./opt/anaconda3/lib/python3.9/site-packages (from requests) (2.0.4)
Requirement already satisfied: certifi>=2017.4.17 in ./opt/anaconda3/lib/python3.9/site-packages (from requests) (2021.10.8)
Requirement already satisfied: idna<4,>=2.5 in ./opt/anaconda3/lib/python3.9/site-packages (from requests) (3.2)
```

In [5]:

```
# requests and BeautifulSoup
from bs4 import BeautifulSoup
import requests
```

In [6]:

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

In [7]:

```
r = requests.get(url)
r
soup = BeautifulSoup(r.content)
```

In [8]:

```
team_name = []
#scraping teams
```

In [9]:

```
for i in soup.find_all("span", class_="u-hide-phablet"):
    team_name.append(i.text)
```

In [10]:

```
team_name
```

```
Out[10]: ['England',
          'New Zealand',
          'India',
          'Pakistan',
          'Australia',
          'South Africa',
          'Bangladesh',
          'Sri Lanka',
          'West Indies',
          'Afghanistan',
          'Ireland',
          'Scotland',
          'Zimbabwe',
          'Namibia',
          'Netherlands',
          'UAE',
          'Oman',
          'United States',
          'Nepal',
          'Papua New Guinea']
```

```
In [11]: # Top 10
top_10_teams = team_name[0:10]
```

```
In [12]: top_10_teams
```

```
Out[12]: ['England',
          'New Zealand',
          'India',
          'Pakistan',
          'Australia',
          'South Africa',
          'Bangladesh',
          'Sri Lanka',
          'West Indies',
          'Afghanistan']
```

```
In [13]: matches = []
```

```
In [14]: for i in soup.find_all("td", class_="rankings-block__banner--matches"):
          matches.append(i.text)
```

```
In [15]: matches
other_teams = []
```

```
In [16]: for i in soup.find_all("td", class_="table-body__cell u-center-text"):
          other_teams.append(i.text)
```

```
In [17]: matches
```

```
Out[17]: ['27']
```

```
In [18]: other_teams
```

```
Out[18]: ['22',  
          '2,508',  
          '31',  
          '3,447',  
          '22',  
          '2,354',  
          '29',  
          '3,071',  
          '21',  
          '2,111',  
          '30',  
          '2,753',  
          '29',  
          '2,658',  
          '41',  
          '2,902',  
          '18',  
          '1,238',  
          '23',  
          '1,214',  
          '27',  
          '1,254',  
          '26',  
          '1,098',  
          '19',  
          '642',  
          '21',  
          '673',  
          '22',  
          '697',  
          '30',  
          '919',  
          '27',  
          '641',  
          '22',  
          '331',  
          '26',  
          '209']
```

```
In [19]: for i in range(0,17,2):  
          a = other_teams[i]  
          matches.append(a)
```

```
In [20]: matches
```

Out[20]: ['27', '22', '31', '22', '29', '21', '30', '29', '41', '18']

```
In [22]: points = []
for i in soup.find_all("td","rankings-block__banner--points"):
    points.append(i.text)
```

In [23]: points

Out[23]: ['3,226']

```
In [24]: for i in range(1,19,2):
          b = other_teams[i]
          points.append(b)
```

In [25]: points

Out[25]: ['3,226',
'2,508',
'3,447',
'2,354',
'3,071',
'2,111',
'2,753',
'2,658',
'2,902',
'1,238']

In [26]: rating= []

```
In [27]: for i in soup.find_all("td",class_="rankings-block__banner--rating u-text-right"):
          rating.append(i.text.replace("\n","").strip())
```

In [28]: rating

Out[28]: ['119']

```
In [29]: for i in soup.find_all("td",class_="table-body__cell u-text-right rating"):
          rating.append(i.text)
```

In [30]: rating

```
Out[30]: ['119',
          '114',
          '111',
          '107',
          '106',
          '101',
          '92',
          '92',
          '71',
          '69',
          '53',
          '46',
          '42',
          '34',
          '32',
          '32',
          '31',
          '24',
          '15',
          '8']
```

```
In [31]: top_rating = rating[0:10]
```

```
In [32]: top_rating
```

```
Out[32]: ['119', '114', '111', '107', '106', '101', '92', '92', '71', '69']
```

```
In [33]: print(len(top_10_teams),len(matches),len(points),len(top_rating))
```

```
10 10 10 10
```

```
In [34]: import pandas as pd
df = pd.DataFrame({"Teams":top_10_teams,"Matches":matches,"Points":points,"Ra
df
```

Out [34]:

	Teams	Matches	Points	Rating
0	England	27	3,226	119
1	New Zealand	22	2,508	114
2	India	31	3,447	111
3	Pakistan	22	2,354	107
4	Australia	29	3,071	106
5	South Africa	21	2,111	101
6	Bangladesh	30	2,753	92
7	Sri Lanka	29	2,658	92
8	West Indies	41	2,902	71
9	Afghanistan	18	1,238	69

In [35]:

```
df.index +=1
```

In [36]:

```
df
```

Out [36]:

	Teams	Matches	Points	Rating
1	England	27	3,226	119
2	New Zealand	22	2,508	114
3	India	31	3,447	111
4	Pakistan	22	2,354	107
5	Australia	29	3,071	106
6	South Africa	21	2,111	101
7	Bangladesh	30	2,753	92
8	Sri Lanka	29	2,658	92
9	West Indies	41	2,902	71
10	Afghanistan	18	1,238	69

ODI Batsman and Bowler Ranking (records, team and rating)

In [37]:

```
url = "https://www.icc-cricket.com/rankings/mens/player-rankings/odi"
```

```
In [44]: r = requests.get(url)
         r
```

```
Out[44]: <Response [200]>
```

```
In [48]: soup = BeautifulSoup(r.content)
         #soup
```

```
In [53]: Top_players_name_allformat = []
```

```
In [54]: for i in soup.find_all("div",class_="rankings-block__banner--name"):
         Top_players_name_allformat.append(i.text)
```

```
In [55]: Top_players_name_allformat
```

```
Out[55]: ['Babar Azam',
         'Trent Boult',
         'Shakib Al Hasan',
         'Babar Azam',
         'Trent Boult',
         'Shakib Al Hasan']
```

```
In [66]: Top_players_team_ratings = []
```

```
In [67]: for i in soup.find_all("div",class_="rankings-block__banner--nationality"):
         Top_players_team_ratings.append(i.text.replace("\n","").split("
```

```
In [68]: Top_players_team_ratings
```

```
Out[68]: [['PAK', '890'],
         ['NZ', '775'],
         ['BAN', '372'],
         ['PAK', '890'],
         ['NZ', '775'],
         ['BAN', '372']]
```

```
In [75]: #scrapping other names both batsamn and bowlers
         Names_Batting_Bowler = []
```

```
In [76]: for i in soup.find_all("td",class_="table-body__cell name"):
         Names_Batting_Bowler.append(i.text.replace("\n",""))
```

In [77]:

```
Names_Batting_Bowler
```



```
Out[77]: ['Rassie van der Dussen',
          'Quinton de Kock',
          'Imam-ul-Haq',
          'Virat Kohli',
          'Rohit Sharma',
          'Jonny Bairstow',
          'David Warner',
          'Ross Taylor',
          'Steve Smith',
          'Josh Hazlewood',
          'Mujeeb Ur Rahman',
          'Jasprit Bumrah',
          'Shaheen Afridi',
          'Mohammad Nabi',
          'Mehedi Hasan',
          'Matt Henry',
          'Mitchell Starc',
          'Rashid Khan',
          'Mohammad Nabi',
          'Rashid Khan',
          'Mitchell Santner',
          'Sikandar Raza',
          'Zeeshan Maqsood',
          'Mehedi Hasan',
          'Chris Woakes',
          'Glenn Maxwell',
          'Imad Wasim',
          'Rassie van der Dussen',
          'Quinton de Kock',
          'Imam-ul-Haq',
          'Virat Kohli',
          'Rohit Sharma',
          'Jonny Bairstow',
          'David Warner',
          'Ross Taylor',
          'Steve Smith',
          'Josh Hazlewood',
          'Mujeeb Ur Rahman',
          'Jasprit Bumrah',
          'Shaheen Afridi',
          'Mohammad Nabi',
          'Mehedi Hasan',
          'Matt Henry',
          'Mitchell Starc',
          'Rashid Khan',
          'Mohammad Nabi',
          'Rashid Khan',
          'Mitchell Santner',
          'Sikandar Raza',
          'Zeeshan Maqsood',
          'Mehedi Hasan',
          'Chris Woakes',
          'Glenn Maxwell',
          'Imad Wasim']
```

```
In [128... # so first 9 are batsman 2-9 top 10  
# and 10 - 18 are bowler top 10  
names_top10_batsman = []  
names_top10_bowler = []
```

```
In [129... names_top10_batsman.append(Top_players_name_allformat[0])
```

```
In [130... for i in range(0,9):  
    names_top10_batsman.append(Names_Batting_Bowler[i])
```

```
In [131... names_top10_batsman
```

```
Out[131... ['Babar Azam',  
            'Rassie van der Dussen',  
            'Quinton de Kock',  
            'Imam-ul-Haq',  
            'Virat Kohli',  
            'Rohit Sharma',  
            'Jonny Bairstow',  
            'David Warner',  
            'Ross Taylor',  
            'Steve Smith']
```

```
In [132... names_top10_bowler.append(Top_players_name_allformat[1])
```

```
In [133... for i in range(9,18):  
    names_top10_bowler.append(Names_Batting_Bowler[i])
```

```
In [134... names_top10_bowler
```

```
Out[134... ['Trent Boult',  
            'Josh Hazlewood',  
            'Mujeeb Ur Rahman',  
            'Jasprit Bumrah',  
            'Shaheen Afridi',  
            'Mohammad Nabi',  
            'Mehedi Hasan',  
            'Matt Henry',  
            'Mitchell Starc',  
            'Rashid Khan']
```

```
In [93]: # scrapping country of batsman and bowlers
```

```
In [105... country = []
```

In [106...

```
for i in soup.find_all("td",class_="table-body__cell nationality-logo"):
    country.append(i.text.replace("\n",""))
```

In [107...

```
country
```

```
Out[107... ['SA',  
            'SA',  
            'PAK',  
            'IND',  
            'IND',  
            'ENG',  
            'AUS',  
            'NZ',  
            'AUS',  
            'AUS',  
            'AFG',  
            'IND',  
            'PAK',  
            'AFG',  
            'BAN',  
            'NZ',  
            'AUS',  
            'AFG',  
            'AFG',  
            'AFG',  
            'NZ',  
            'ZIM',  
            'OMA',  
            'BAN',  
            'ENG',  
            'AUS',  
            'PAK',  
            'SA',  
            'SA',  
            'PAK',  
            'IND',  
            'IND',  
            'ENG',  
            'AUS',  
            'NZ',  
            'AUS',  
            'AUS',  
            'AFG',  
            'IND',  
            'PAK',  
            'AFG',  
            'BAN',  
            'NZ',  
            'AUS',  
            'AFG',  
            'AFG',  
            'AFG',  
            'NZ',  
            'ZIM',  
            'OMA',  
            'BAN',  
            'ENG',  
            'AUS',  
            'PAK'] ]
```

```
In [108... # so first 9 are countries of batsman 2-9 top 10  
# and 10 - 18 are countries of bowler top 10
```

```
In [119... country_batsman = []  
country_bowler = []  
#we already scarp top player team and ratings
```

```
In [120... country_batsman.append(Top_players_team_ratings[0][0])
```

```
In [121... country_bowler.append(Top_players_team_ratings[1][0])
```

```
In [122... for i in range(0,9):  
    country_batsman.append(country[i])
```

```
In [123... country_batsman
```

```
Out[123... ['PAK', 'SA', 'SA', 'PAK', 'IND', 'IND', 'ENG', 'AUS', 'NZ', 'AUS']
```

```
In [124... for i in range(9,18):  
    country_bowler.append(country[i])
```

```
In [125... country_bowler
```

```
Out[125... ['NZ', 'AUS', 'AFG', 'IND', 'PAK', 'AFG', 'BAN', 'NZ', 'AUS', 'AFG']
```

```
In [135... # now ratings of player
```

```
In [136... rating_batsman_bowler=[]
```

```
In [137... for i in soup.find_all("td",class_="table-body__cell u-text-right rating"):  
    rating_batsman_bowler.append(i.text)
```

```
In [138... rating_batsman_bowler
```

```
Out[138... ['789',  
            '784',  
            '779',  
            '744',  
            '740',  
            '732',  
            '725',  
            '701',  
            '697',  
            '718',  
            '676',  
            '662',  
            '661',  
            '657',  
            '655',  
            '654',  
            '653',  
            '651',  
            '325',  
            '290',  
            '275',  
            '261',  
            '238',  
            '238',  
            '235',  
            '227',  
            '220',  
            '789',  
            '784',  
            '779',  
            '744',  
            '740',  
            '732',  
            '725',  
            '701',  
            '697',  
            '718',  
            '676',  
            '662',  
            '661',  
            '657',  
            '655',  
            '654',  
            '653',  
            '651',  
            '325',  
            '290',  
            '275',  
            '261',  
            '238',  
            '238',  
            '235',  
            '227',  
            '220']
```

```

In [140... # ratings of batsman and bowler
ratings_batsman=[]
ratings_bowler=[]

In [141... #ratings of top batsman
ratings_batsman.append(Top_players_team_ratings[0][1])

In [142... ratings_bowler.append(Top_players_team_ratings[1][1])

In [143... for i in range(0,9):
    ratings_batsman.append(rating_batsman_bowler[i])

In [144... for i in range(9,18):
    ratings_bowler.append(rating_batsman_bowler[i])

In [145... import pandas as pd

In [147... Top10ODIBatsman = pd.DataFrame({"Batsman Name": names_top10_batsman , "Country": names_top10_country })

In [149... Top10ODIBatsman.index +=1

In [150... Top10ODIBatsman

```

```

Out[150...

```

	Batsman Name	Country	Rating
1	Babar Azam	PAK	890
2	Rassie van der Dussen	SA	789
3	Quinton de Kock	SA	784
4	Imam-ul-Haq	PAK	779
5	Virat Kohli	IND	744
6	Rohit Sharma	IND	740
7	Jonny Bairstow	ENG	732
8	David Warner	AUS	725
9	Ross Taylor	NZ	701
10	Steve Smith	AUS	697

```
In [151... Top10ODIBolwer = pd.DataFrame({"Bowler Name": names_top10_bowler , "Country":
```

```
In [152... Top10ODIBolwer.index +=1
```

```
In [153... Top10ODIBolwer
```

```
Out[153...
```

	Bowler Name	Country	Rating
1	Trent Boult	NZ	775
2	Josh Hazlewood	AUS	718
3	Mujeeb Ur Rahman	AFG	676
4	Jasprit Bumrah	IND	662
5	Shaheen Afridi	PAK	661
6	Mohammad Nabi	AFG	657
7	Mehedi Hasan	BAN	655
8	Matt Henry	NZ	654
9	Mitchell Starc	AUS	653
10	Rashid Khan	AFG	651

```
In [ ]:
```