In [1]:
```
#Imported required packages and libraries

import pandas as pd
import numpy as np
from bs4 import BeautifulSoup
import requests
```

In [2]:
```
#Fetch URL for data scrapping
url = 'https://www.cricketworldcup.com/standings'

page = requests.get(url)

soup = BeautifulSoup(page.text, 'html')

table = soup.find('table', class_ ='table')
```

In [3]:
```
#Fetched titles from Data table from website link
world_cup_standing = table.find_all('th')
world_cup_standing_titles = [title.text.strip() for title in world_cup_standin

world_cup_standing_titles
```

Out[3]:
```
['Pos',
 'Team',
 'Played',
 'PLD',
 'Won',
 'Lost',
 'N/R',
 'Tied',
 'Net RR',
 'NRR',
 'PointsPts']
```

In [4]:
```
#Removed unnecessary/unwanted titles to match and inline row data value

df = pd.DataFrame(columns = world_cup_standing_titles)

df = df.drop(columns = ['PLD','NRR'])
```

In [5]:
```
#Scrapped all values in row cells and prepared final table
row_data = table.find_all('tr')


for row in row_data[1:]:
    final_row_data = row.find_all('td')
    individual_row_data = [data.text.split('\\n')[0].strip() for data in final
    length = len(df)
    df.loc[length] = individual_row_data


df.head()
```

Out[5]:

	Pos	Team	Played	Won	Lost	N/R	Tied	Net RR	PointsPts
0	1	India\nIND	9	9	0	0	0	+2.570	18
1	2	South Africa\nSA	9	7	2	0	0	+1.261	14
2	3	Australia\nAUS	9	7	2	0	0	+0.841	14
3	4	New Zealand\nNZ	9	5	4	0	0	+0.743	10
4	5	Pakistan\nPAK	9	4	5	0	0	-0.199	8

In [6]:
```
#Attempted to clean 'Team' column to remove unwanted characters from object to

df['Team'] = df['Team'].apply(lambda x: x.split('\\')[0])

df.head()
```

Out[6]:

	Pos	Team	Played	Won	Lost	N/R	Tied	Net RR	PointsPts
0	1	India\nIND	9	9	0	0	0	+2.570	18
1	2	South Africa\nSA	9	7	2	0	0	+1.261	14
2	3	Australia\nAUS	9	7	2	0	0	+0.841	14
3	4	New Zealand\nNZ	9	5	4	0	0	+0.743	10
4	5	Pakistan\nPAK	9	4	5	0	0	-0.199	8

In [ ]:
```
#Since it is not removing value after \n in Team column even before and after
# we will first convert it into CSV to manage it better and refine and organiz
```

In [7]:
```

df.to_csv(r'Downloads\world_cup_team_standing.csv', index = False)

df_cleaned= pd.read_csv("world_cup_team_standing.csv")

df_cleaned.shape
```

Out[7]: (40, 9)

In [8]:
```
#Cleaned and organized table data as required

df_cleaned['Team'].str.split('\n',1, expand = True)

df_cleaned = df_cleaned.iloc[:10]
```

```
C:\Users\akash\AppData\Local\Temp\ipykernel_25680\3135130268.py:3: FutureWarn
ing: In a future version of pandas all arguments of StringMethods.split excep
t for the argument 'pat' will be keyword-only.
  df_cleaned['Team'].str.split('\n',1, expand = True)
```

In [71]:
```
df_cleaned.head(11)
```

Out[71]:

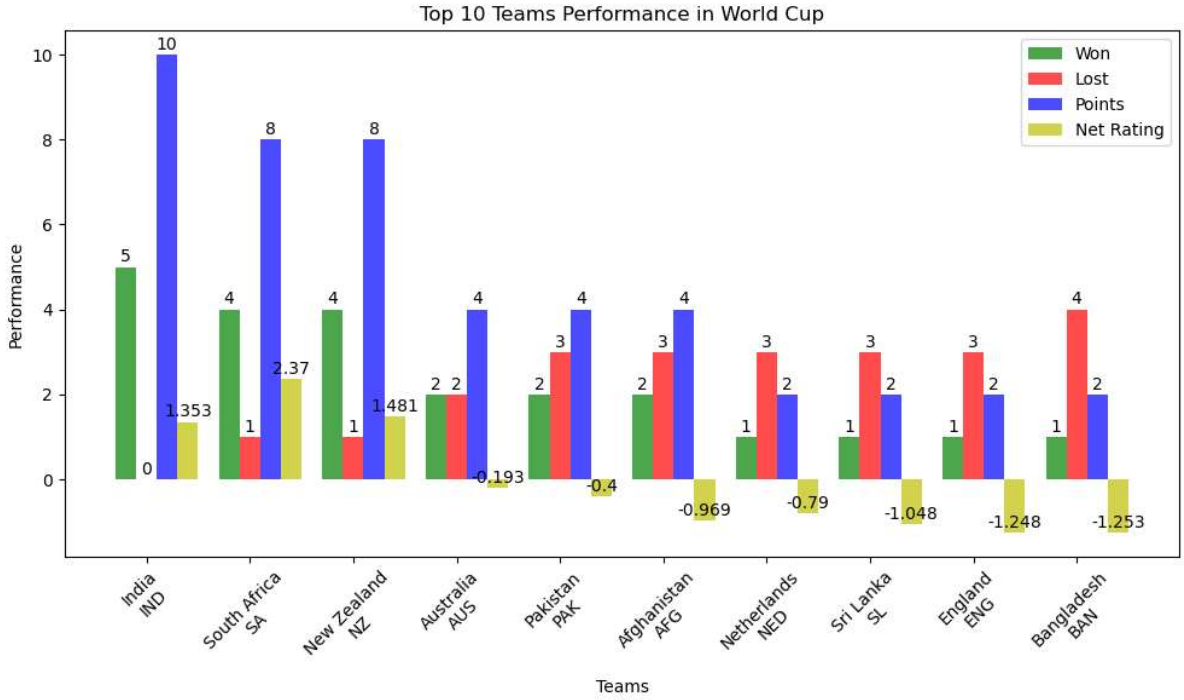
	Pos	Team	Played	Won	Lost	N/R	Tied	Net_RR	PointsPts
0	1	India	5	5	0	0	0	1.353	10
1	2	South Africa	5	4	1	0	0	2.370	8
2	3	New Zealand	5	4	1	0	0	1.481	8
3	4	Australia	4	2	2	0	0	-0.193	4
4	5	Pakistan	5	2	3	0	0	-0.400	4
5	6	Afghanistan	5	2	3	0	0	-0.969	4
6	7	Netherlands	4	1	3	0	0	-0.790	2
7	8	Sri Lanka	4	1	3	0	0	-1.048	2
8	9	England	4	1	3	0	0	-1.248	2
9	10	Bangladesh	5	1	4	0	0	-1.253	2

In [9]:
```
#Renamed column for error free and with proper name convention
df_cleaned = df_cleaned.rename(columns = {'Net RR': 'Net_RR'})

df_cleaned['Team']
```

Out[9]:
```
0          India\nIND
1    South Africa\nSA
2     New Zealand\nNZ
3      Australia\nAUS
4       Pakistan\nPAK
5    Afghanistan\nAFG
6    Netherlands\nNED
7       Sri Lanka\nSL
8        England\nENG
9     Bangladesh\nBAN
Name: Team, dtype: object
```

In [10]:

```
#Basic Visualization of Our data that we scrapped from Web

import matplotlib.pyplot as plt
# Creating a figure and a set of subplots
fig, ax = plt.subplots(figsize=(10, 6))

# plotted the data on bars
bar_width = 0.2
index = range(len(df_cleaned['Team']))

bars1=plt.bar(index, df_cleaned['Won'], bar_width, label='Won', color='g', alp
bars2=plt.bar([i + bar_width for i in index], df_cleaned['Lost'], bar_width, l
bars3=plt.bar([i + bar_width * 2 for i in index], df_cleaned['PointsPts'], bar
bars4=plt.bar([i + bar_width * 3 for i in index], df_cleaned['Net_RR'], bar_wi

# Added labels and title
plt.xlabel('Teams')
plt.ylabel('Performance')
plt.title('Top 10 Teams Performance in World Cup')

# now we have added ticks and labels for each team
plt.xticks([i + bar_width for i in index], df_cleaned['Team'], rotation=45)

# Added a legend to Graph
plt.legend(loc='upper right')

def add_labels(bars):
    for bar in bars:
        height = bar.get_height()
        plt.annotate(f'{height}', xy=(bar.get_x() + bar.get_width() / 2, heigh

add_labels(bars1)
add_labels(bars2)
add_labels(bars3)
add_labels(bars4)

# Displayed the plot
plt.tight_layout()
plt.show()
```


Top 10 Teams Performance in World Cup
Won
Lost
Points
Net Rating
Performance
Teams
India IND
South Africa SA
New Zealand NZ
Australia AUS
Pakistan PAK
Afghanistan AFG
Netherlands NED
Sri Lanka SL
England ENG
Bangladesh BAN
1.353
2.37
1.481
-0.193
-0.4
-0.969
-0.79
-1.048
-1.248
-1.253