NAME: GAURAV DHADGE

ROLL NO: CS6-07

PRN NO: 202401100139

EDS THEORY ACTIVITY 1:

DATA SET LINK: https://www.kaggle.com/

datasets/enggbilalalikhan/odi-world-cup-2023-

complete-dataset

DATA SET: CRICKET WORLD CUP

Connect the set:

```
[13] import pandas as pd
    import numpy as np

# Load datasets
batting = pd.read_csv('/content/batting_summary.csv')
bowling = pd.read_csv('/content/bowling_summary.csv')
matches = pd.read_csv('/content/match_schedule_results.csv')
players = pd.read_csv('/content/world_cup_players_info.csv')
```



```
#4 Right-handed batsmen
right_hand_batsmen = players[players['battingStyle'].str.contains('right hand Bat', case=False, na=False)]
num_right_handers = right_hand_batsmen.shape[0]
print(num_right_handers)

101
```

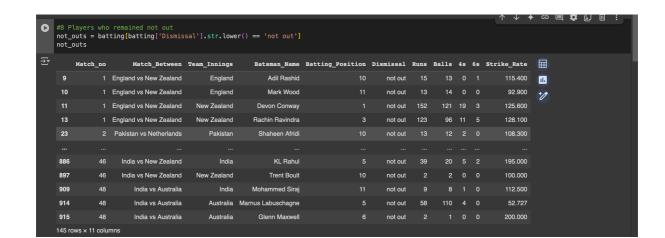
```
    #5 Batsman who faced the most balls
    balls_faced_by_batsman = batting.groupby('Batsman_Name')['Balls'].sum()
    top_batsman = balls_faced_by_batsman.idxmax()
    max_balls = balls_faced_by_batsman.max()
    print(max_balls)

    #847
```

```
#6 Left-handed batsmen
left_hand_batsmen = players[players['battingStyle'].str.contains('Left hand Bat',
num_left_handers = left_hand_batsmen.shape[0]
print(num_left_handers)

349
```

0	matche:	ches in s_in_pur s_in_pur	ne = matche	s[match	es['Venue'].	str.contai	ns('Pune',	case=False, na=False)]
∑ *	Ма	tch_no	Date	Venue	Team1	Team2	Winner	Scorecard URL
	16		October 19	Pune	India	Bangladesh	India	https://www.cricketwa.com/scorecard/23022/indi
	29	30	October 30	Pune	Afghanistan	Sri Lanka	Afghanistan	https://www.cricketwa.com/scorecard/23035/afgh
	31	32	November 1	Pune	New Zealand	South Africa	South Africa	https://www.cricketwa.com/scorecard/23037/new
	39	40	November 8	Pune	England	Netherlands	England	https://www.cricketwa.com/scorecard/23045/engl
	42	43	November 11	Pune	Australia	Bangladesh	Australia	https://www.cricketwa.com/scorecard/23049/aust











```
[31] #13 Average runs
average_runs = np.mean(batting['Runs'].values)
average_runs

p.float64(26.510917030567686)
```



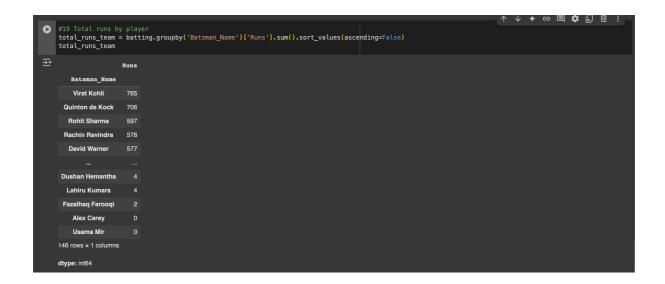
```
[36] #15 Total runs
total_runs = np.sum(batting['Runs'].values)
total_runs

p.int64(24284)
```



#17 Total matches
total_matches = matches.shape[0]
total_matches

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[] #20 Top 5 batsmen who scored the most runs
batting[['Batsman_Name', 'Runs']].groupby('Batsman_Name').sum().sort_values('Runs', ascending=False).head(5)