**CODE**

# BOOK Cricket Match

#Rule of game:

#The two players will have to decide the number of batsman.

#Toss a coin and decide who is going to bat first

#The player decided to bat will hold the book with him.

#He has to randomly open the book and look for the page number

#The player should always look for the side of book which has even numbers on it.

#In the opened page, look for the even number and take note of the last unit in that number.

#For Example: If the opened page is 154, then the last unit is 4 so the score is 4. So the possible scores are 2, 4, 6, 8 and 0.

#2, 4 and 6 score will be added to the batsman score as such and 8 will be a dot ball.

#Close the book and open it again.

#Note the score for that again.

#The innings will go on until all the batsmen is out.

#The total score of the first player is noted and then the second player takes over the Book and continues to play.

#At the end who ever has the bigger score is the Winner

import random

#Variables

team1\_runs=[]

team2\_runs=[]

team1Turn=False

#Functions

#This function is for checking which team play first

def coinToss():

print('Toss the coin')

coinside=random.randint(0,1)

if(coinside==1):

print('Team-1 win the toss ')

team1Turn=True

else:

print('Team-2 win the toss ')

team1Turn=False

#This function is for Open the Book pages randomly

def OpenBook(Team):

pageNo= random.randrange(0,500,2)

run=pageNo%10

if Team == True:

print(run)

if run==0:

Team=False

print('out')

elif run%2==0:

if run==8:

print('Dot ball')

else:

team1\_runs.append(run)

else:

print(run)

if run==0:

Team=True

print('out')

elif run%2==0:

if run==8:

print('Dot ball')

else:

team2\_runs.append(run)

return Team

#This function is for palying the game one by one untill all players of both team out

def play(num,team1Turn):

if(team1Turn):

while team1Turn:

print('Team-1 Turn')

n=str(input('To open the book press o:'))

if(ord(n)==ord('o')):

team1Turn=OpenBook(team1Turn)

else:

while not team1Turn:

print('Team-2 Turn')

n=str(input('To open the book press o:'))

if(ord(n)==ord('o')):

team1Turn=OpenBook(team1Turn)

num=num-1

if(num!=0):

play(num,team1Turn)

#This function recursively sum the total run of the both team

def TotalRuns(runs):

if len(runs)==0:

return 0

run=runs[0]

run=TotalRuns(runs[1:])

return runs[0]+run

#main

no\_of\_players=int(input('Number of players in each team:'))

coinToss()

play(no\_of\_players\*2,team1Turn)

sum1=TotalRuns(team1\_runs)

sum2=TotalRuns(team2\_runs)

print(sum1)

print(sum2)

if sum1>sum2:

print('Team1 win')

elif sum2>sum1:

print('Team2 win')

else:

print('Match Draw')

**OUTPUT**

Number of players in each team:1

Toss the coin

Team-2 win the toss

Team-2 Turn

To open the book press o:o

8

Dot ball

Team-2 Turn

To open the book press o:o

4

Team-2 Turn

To open the book press o:o

6

Team-2 Turn

To open the book press o:o

0

out

Team-1 Turn

To open the book press o:o

2

Team-1 Turn

To open the book press o:o

2

Team-1 Turn

To open the book press o:o

0

out

Team-1 total runs: 4

Team-2 total runs: 10

Team2 win