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

```python
#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:
```

```python
                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:
```

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        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)
```

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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
```