28-11-2019

# Assignment 28

***Objective***: Repeatedly ask the user to enter the team name and how many games the team has won and how many they lost. Store this information in a dictionary where the keys are the team names and the values are lists of the form [wins, losses].

(a) Using the dictionary created above, allow the user to enter a team name and print out the team’s winning percentage.

(b) Using the dictionary, show all those teams that have winning records.

***Code****:*

teams={}

tnum=int(input("Enter number of teams : "))

for i in range(tnum): # adding data

    tname=input("Enter a team name : ")

    wins=int(input("Enter number of matches won : "))

    losses=int(input("Enter number of matches lost : "))

    teams[tname]=[wins,losses]

# printing collected data

print('\nTeam data')

print(teams)

# (a) Get winnig percentage

tnuser=input("\nEnter a team\'s name from the list above :")

x = teams.get(tnuser)

perc = round((x[0]\*100)/sum(x), 2)

print(f'Win percentage of {tnuser} is {perc}%\n')

# (b) teams that have winning records

print('Teams with winning records: ')

for key, value in teams.items():

    if value[0] > value[1]:

        print(f'{key} with {value[0]} wins')

***Output****:*

Enter number of teams : 3

Enter a team name : lksec

Enter number of matches won : 10

Enter number of matches lost : 2

Enter a team name : mayo