

Topic : Chennai Super Kings

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import csv # opening the files in read mode
Playersfile = open("CSK_01.csv", "r")
Entryfile = open("CSK_02.csv", "r")
statsfile = open("CSK_03.csv", "r")
# retrieving the data from the csv files and storing it in form of list using csv
PlayerList = list(csv.reader(Playersfile))
PlayerData = list(csv.reader(Entryfile))
PlayerStat = list(csv.reader(statsfile))
RN=[]; WK=[]; STRK=[]; #List declaration to store runs,wickets,strike rate
info={}; #Dictionary Declaration to store player specialization,no.of matches,
origin country
debut=(); age=(); #Touple Declaration to store debut & age
l1 = []; l2 = []
for i in range(1,len(PlayerList)):
    D=[];
    RN.append(int(PlayerStat[i][0]))
    WK.append(int(PlayerStat[i][1]))
    STRK.append(float(PlayerStat[i][2]))
    D.append(PlayerList[i][2])
    D.append(int(PlayerData[i][1]))
    D.append(PlayerData[i][2])
    info[PlayerList[i][1]]=D
    l1.append(PlayerData[i][0])
    l2.append(PlayerData[i][3])
    debut=tuple(l2)
    age=tuple(l1)
print (RN)
print (WK)
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print (STRK)
print (debute)
print (age)
for k in info.keys ():
    print (k,info[k])
# Q1)print the name of bowler who has maximum number of wickets.
print("A1) Player with maximum Wickets : ")
print("Player Detail:",PlayerList[WK.index(max(WK))])
print("wickets :",max(WK), end="\n\n") # Q2) find the player name with
maximum Runs.
print("A2) Player with maximum Runs : ")
print("Player Details :",PlayerList[RN.index(max(RN))])
print("Runs :",max(RN), end="\n\n")
# Q3) print the name of batsman who has minimum strike rate.
print("A3) Player with minimum strike rate : ")
print("Player Details :",PlayerList[STRK.index(min(STRK))])
print("Minimum strike_Rate :",min(STRK), end="\n\n")
# Q4)Find how many players are indian.
c=0
print("A4) NO OF Players witch are indian : ")
for s in info.keys():
    if(info[s][2]=="Indian"):
        c=c+1;
print("Total number of players which are indians:",c)
# Q5) print Find how many players are All-rounder.
print("A5) Total no. of all-rounder players : ")
p=0
for k in info.keys():
    if(info[k][0]=="All Rounder"):
        p=p+1;
print("Total number of players which are All-rounders:",p)

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# Q6) who played most matches.
print("A6) Player played maximum matches : ")
max_matches = 0
player_name = ``
for player in info.keys():
    if max_matches < int(info[player][1]):
        max_matches = int(info[player][1])
        player_name = player
print("Player who played the most matches in ODI:", player_name)
# Q7) count number of players which are debuted in 2022.
print("A7)Total no. of players whichh are debuted in 2022 : ")
count_player=debut.count("2022")
print("number of players which are debuted in 2022 are:",count_player)
#Q8) count The number of players which are seniors.
print("A8)Total no. of players which are srniors : ") H= age.count("35") print(H)
# Q9) count number of players which are debuted in 2023
print("A9)Total no. of players whichh are debuted in 2023 : ")
l=debut.count("2023") print(l)
# Q10) Find how many players are Batsmen .
a=0
print("A10) NO OF Players witch are batsmen: ")
for s in info.keys():
    if(info[s][0]=="Batsman"):
        a=a+1;
print("Total number of players which are batsmen:",a)
Playersfile.close()
Entryfile.close()
statsfile.close()

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OUTPUT :-

[2133, 1313, 131, 352, 424, 2434, 442, 1334, 424, 535, 245, 972, 624, 64, 53, 535]

[1, 2, 0, 2, 2, 4, 2, 0, 5, 3, 124, 146, 128, 143, 132, 164]

[144.8, 134.6, 64.3, 134.5, 134.1, 155.9, 77.78, 55.66, 59.6, 95.7, 65.4, 78.9, 99.4, 179.8, 16.5, 79.85]

[2016, 2005, 2008, 2009, 2011, 2019, 2017, 2016, 2017, 2014, 2019, 2014, 2019, 2016, 2016, 2014]

[26, 42, 30, 29, 29, 31, 21, 23, 24, 24, 26, 24, 21, 22, 23, 24]

R Gaikwad ['Batsman'], M S Dhoni['WK+ Batsman'], A Raydu ['Batsman'], A Rahane ['Batsman'], M Ali ['Batsman'], D Conway['Batsman'], S Dube ['Batsman'], R Jadeja ['All'], D Chahar ['All'], R Pathirana ['Ball'], S Hangekar ['Ball'], J Hejalwood ['Ball'], K Mayers ['Ball'], K Lalit ['Ball'], J Wat ['Ball'], S Panchal ['Ball']

A1) Player with Maximum Wickets :

Player Details : ['J Hejalwood', 'Ball']

Wickets : 146

A2) Player with Maximum

Player Details : ['R Gaikwad', 'Batsman']

Runs : 2133

A3) Player With Minimum Strike Rate :

Player Details : ['J Wat']

Minimum Strike Rate : 16.5

A4) No of Players Which are Indian :

Total no of Players Which are Indian : 11

A5) Total no. of all-rounder players :

Total numbers of all-rounder players : 2

A6) Player played Maximum matches :

Player who played the most matches in ODI : M S D

A7) Total no. of players which are debuted in 2022 :

A8) Total no. of players which are seniors : 1

A9) Total no. of players which are debuted in 2023 :

A10) NO OF Players which are batsmen:

Total number of players which are batsmen : 7