

# EDS ASSIGNMENT 02

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import csv
# opening the files in read mode
Playersfile = open("MI_01.csv", "r")
Entryfile = open("MI_02.csv", "r")
statsfile = open("MI_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]))
info[PlayerList[i][1]]=D
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11.append(PlayerData[i][0])
12.append(PlayerData[i][3])
debut=tuple(12)
age=tuple(11)
print(RN)
print(WK)
print(STRK)
print(debut)
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")
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# 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)

# 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
for player in info.keys():
    if max_matches < int(info[player][1]):
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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()

```

OUTPUT :

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[2205, 3020, 161, 671, 45, 27, 366, 13, 199, 274, 18, 183, 57, 609, 3, 66, 75, 1000, 3]
[0, 0, 1, 0, 6, 1, 0, 3, 48, 6, 5, 0, 145, 174, 16, 5, 28, 19, 8]
[133.8, 141.45, 142.48, 140.97, 112.5, 77.14, 185.79, 144.44, 155.47, 149.73, 120.0, 147.58, 86.36, 111.54, 75.0, 103.13, 115.38, 110.68, 60.0]
('2016', '2012', '2022', '2022', '2022', '2022', '2021', '2023', '2018', '2023', '2023', '2023', '2013', '2008', '2019', '2022', '2016', '2016', '2022')
('25', '33', '20', '21', '25', '23', '27', '24', '28', '24', '26', '23', '30', '35', '33', '23', '35', '31', '26')
Ishan Kishan ['Wicket keeper', 86, 'Indian']
Suryakumar yadav ['Batsman', 134, 'Indian']
Dewald Brevis ['Batsman', 7, 'Overseas']
Tilak Verma ['Batsman', 23, 'Indian']
Ramandeep Singh ['Batsman', 5, 'Indian']
Tristan Stubbs ['Batsman', 4, 'Overseas']
Tim David ['Batsman', 20, 'Overseas']
Arjun Tendulkar ['All Rounder', 4, 'Indian']
Jofra Archer ['All Rounder', 40, 'Overseas']
Cameron Green ['All Rounder', 11, 'Overseas']
Mohd Arshad Khan ['All Rounder', 6, 'Indian']
Nehal Wadhwa ['All Rounder', 9, 'Indian']
Jasprit Bumrah ['Bowler', 120, 'Indian']
Piyush Chawala ['Bowler', 176, 'Indian']
Jason Behrendroff ['Bowler', 12, 'Overseas']
Hrithik Shokeen ['Bowler', 11, 'Indian']
Chris Jordan ['Bowler', 29, 'Overseas']
Deepak Chahar ['Bowler', 67, 'Indian']
Kumar Kartikeya Singh ['Bowler', 9, 'Indian']
A1) Player with maximum Wickets :
Player Detail: ['14', 'Jasprit Bumrah', 'Bowler']
wickets : 174
A2) Player with maximum Runs :
Player Details : ['2', 'Ishan Kishan', 'Wicket keeper']
Runs : 3020
```



A3) Player with minimum strike rate :

Player Details : ['19', 'Deepak Chahar', 'Bowler']

Minimum strike\_Rate : 60.0

A4) NO OF Players witch are indian :

Total number of players which are indians: 12

A5) Total no. of all-rounder players :

Total number of players which are All-rounders: 5

A6) Player played maximum matches :

Player who played the most matches in ODI: Piyush Chawala

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

number of players which are debuted in 2022 are: 6

A8)Total no. of players which are srniors :

2

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

4

A10) NO OF Players witch are batsmen:

Total number of players which are batsmen: 6