ABHIGYAN GHOSHAL

21BAI1683 (CSE (AI&ML))

import pandas as pd

 $df = pd. Data Frame ([[463,18426,200,49,96],[350,10773,183,10,73],[275,12898,183,46,65],[375,13704,164,30,82],[228,9577,176,25,53], \\ [260,6083,166,5,32],[404,14234,169,25,93],[301,10480,215,25,54],[187,6721,189,11,45],[287,9619,172,16,55]]) \ df$

	0	1	2	3	4	Ħ
0 46	3 184	426	200	49	96	11
1 350	10	773	183	10	73	
2 275	12	898	183	46	65	
3 375	5 13	704	164	30	82	
4 228	3 95	577	176	25	53	
5 260) 60	083	166	5	32	
6 404	14	234	169	25	93	
7 301	L 10	480	215	25	54	
8 187	7 67	721	189	11	45	
9 287	7 96	619	172	16	55	
	0 46 1 350 2 275 3 375 4 228 5 260 6 404 7 301 8 187	1 350 10 2 275 12 3 375 13 4 228 99 5 260 66 6 404 14 7 301 10 8 187 6	 0 463 18426 1 350 10773 2 275 12898 3 375 13704 4 228 9577 5 260 6083 6 404 14234 7 301 10480 8 187 6721 	0 463 18426 200 1 350 10773 183 2 275 12898 183 3 375 13704 164 4 228 9577 176 5 260 6083 166 6 404 14234 169 7 301 10480 215 8 187 6721 189	0 463 18426 200 49 1 350 10773 183 10 2 275 12898 183 46 3 375 13704 164 30 4 228 9577 176 25 5 260 6083 166 5 6 404 14234 169 25 7 301 10480 215 25 8 187 6721 189 11	0 1 2 3 4 0 463 18426 200 49 96 1 350 10773 183 10 73 2 275 12898 183 46 65 3 375 13704 164 30 82 4 228 9577 176 25 53 5 260 6083 166 5 32 6 404 14234 169 25 93 7 301 10480 215 25 54 8 187 6721 189 11 45 9 287 9619 172 16 55

df.columns=['Matches','Runs','Highest',100,50] df.index=['Sachin Tendulkar','MS Dhoni','Virat Kohli','Ricky Ponting','AB de Villiers','Brendon McCullum','Kumar Sangakkara','

df

		Matches	Runs	Highest	100	50	
	Sachin Tendulkar	463	18426	200	49	96	11.
	MS Dhoni	350	10773	183	10	73	
	Virat Kohli	275	12898	183	46	65	
	Ricky Ponting	375	13704	164	30	82	
	AB de Villiers	228	9577	176	25	53	
В	rendon McCullum	260	6083	166	5	32	
ŀ	Kumar Sangakkara	404	14234	169	25	93	
	Chris Gayle	301	10480	215	25	54	
	Viv Richards	187	6721	189	11	45	
	Adam Gilchrist	287	9619	172	16	55	

df.info()

<class 'pandas.core.frame.DataFrame'>

Index: 10 entries, Sachin Tendulkar to Adam Gilchrist Data columns (total 5 columns):

Column Non-Null Count Dtype

0 Matches 10 non-null int64 1 Runs 10 non-null int64 2 Highest 10 non-null int64

3 100 10 non-null int64 4 50 10 non-null int64 dtypes: int64(5) memory usage: 480.0+ bytes

df.describe()

	Matches	Runs	Highest	100	50
count	10.000000	10.000000	10.000000	10.000000	10.000000
mean	313.000000	11251.500000	181.700000	24.200000	64.800000
std	84.438011	3691.228018	16.152399	14.672726	20.953918
min	187.000000	6083.000000	164.000000	5.000000	32.000000
25%	263.750000	9587.500000	169.750000	12.250000	53.250000
50 % d	e १११६०००००	1 p 626.500000	179.500000	25.000000	60.000000
75%	368.750000	13502.500000	187.500000	28.750000	79.750000
max	463.000000	18426.000000	215.000000	49.000000	96.000000

df.isnull ()

	Matches	Runs	Highest	100	50
Sachin Tendulkar	False	False	False	False	False
MS Dhoni	False	False	False	False	False
Virat Kohli	False	False	False	False	False
Ricky Ponting	False	False	False	False	False
AB de Villiers	False	False	False	False	False
Brendon McCullum	False	False	False	False	False
Kumar Sangakkara	False	False	False	False	False
Chris Gayle	False	False	False	False	False
Viv Richards	False	False	False	False	False
Adam Gilchrist	False	False	False	False	False