

Day 10

DIY

Q1. Problem Statement: Data Filtering using Pandas

Write a Python program that reads the player.csv (provided on LMS) file into a DataFrame, then shows only those players who played more than 150 innings and scored at least two centuries and 35 fifties.

Input Table Format:

	rank	name	matches	innings	runs	highest	100s	50s
0	1	V Kohli	207	199	6283	113	5	42
1	2	S Dhawan	194	191	5784	106	2	44
2	3	Rohit Sharma	123	208	5611	109	1	40
3	4	Suresh Raina	205	200	5528	100	1	39
4	5	David Warner	150	150	5449	126	4	50
5	6	A B de Villiers	184	170	5162	133	3	40
6	7	Chris Gayle	142	141	4965	175	6	31
7	8	M S Dhoni	220	193	4746	84	0	23
8	9	Robin Uthappa	193	186	4722	87	0	25
9	10	Gutam Gambhir	154	152	4217	93	0	36

Sample Output:

	rank	name	matches	innings	runs	highest	100s	50s
0	1	V Kohli	207	199	6283	113	5	42
5	6	A B de Villiers	184	170	5162	133	3	40

Q2. Problem Statement: Data Filtering using Pandas

Use the above data set and do the below tasks.

1. Remove the data of players who didn't score a single century
2. Replace the player name "V Kohli " with "Virat Kohli "
3. How many matches they weren't getting a chance for batting to fetch that and stored in a new column and named it as "not batting"
4. Fetch data where they scored neither 100 nor 50 in matches and store it in the new column as renamed as "low score innings"

Input Table Format:

	rank	name	matches	innings	runs	highest	100s	50s
0	1	V Kohli	207	199	6283	113	5	42
1	2	S Dhawan	194	191	5784	106	2	44
2	3	Rohit Sharma	123	208	5611	109	1	40
3	4	Suresh Raina	205	200	5528	100	1	39
4	5	David Warner	150	150	5449	126	4	50
5	6	A B de Villiers	184	170	5162	133	3	40
6	7	Chris Gayle	142	141	4965	175	6	31
7	8	M S Dhoni	220	193	4746	84	0	23
8	9	Robin Uthappa	193	186	4722	87	0	25
9	10	Gutam Gambhir	154	152	4217	93	0	36

Sample Output:

	rank	name	matches	innings	runs	highest	100s	50s	not batting	low score innings
0	1	Virat Kohli	207	199	6283	113	5	42	8	152
1	2	S Dhawan	194	191	5784	106	2	44	3	145
2	3	Rohit Sharma	213	208	5611	109	1	40	5	167
3	4	Suresh Raina	205	200	5528	100	1	39	5	160
4	5	David Warner	150	150	5449	126	4	50	0	96
5	6	A B de Villiers	184	170	5162	133	3	40	14	127
6	7	Chris Gayle	142	141	4965	175	6	31	1	104