



Pandas

Task Requirements Document





Task Requirements

1. Write a Pandas program to display a summary of the basic information about a specified Data Frame and its data.

id	fname	score	attempt	qualify
a	Jack	12.5	1	yes
b	Dima	9	3	no
c	Rose	16.1	2	no
d	James	NaN	3	no
e	Russel	9	2	no
f	Michael	20	3	yes
i	Kevin	8.8	NaN	no
j	Jonas	19	1	yes

2. Write a Pandas program to get the first 3 rows.
3. Write a Pandas program to select the 'name' and 'score' columns.
4. Write a Pandas program to select the rows where the attempt is missing, i.e., is NaN.
5. Write a Pandas program to select the rows the score is between 18 and 20 (inclusive).
6. Write a Pandas program to replace all the NaN values with Zero's in a column of a Data Frame.
7. Write a Pandas program to delete the 'score' column from the Data Frame.

8. Write a Pandas program to join the two given Data Frames along rows and assign all data.

student_data1:

No.	student_id	name	marks
0	S1	Danniella Fenton	150
1	S2	Ryder Storey	210
2	S4	Ed Bernal	220
3	S5	Kwame Morin	198

student_data2:

No.	student_id	name	marks
0	S4	Scarlette Fisher	201
1	S5	Carla Williamson	230
2	S7	Kaiser William	218
3	S8	Madeeha Preston	201



Task Programming Language and Technologies'

- Python Programming Language.
- Jupiter Notebooks.
- Google Colab.



Evaluation Criteria'

- 50% on functional Code.
- 30% program workflow.
- 10% Screenshots.
- 10% adding extra features that help achieve better results.



Deadline'

29/11/2024 at 11:59 pm



Notes'

- Submit your unique solution.
- Submit your solution as **ipynb** format.
- Have fun and enjoy 😊.