

**DATA SCIENCE BATCH-2023**

1.Write a Pandas program to get the first 3 rows of a given DataFrame

2.Write a Pandas program to select the 'name' and 'score' columns from the given DataFrame.    
3.Write a Pandas program to select the rows where the number of attempts in the examination is greater than 2

4.Write a Pandas program to count the number of rows and columns of a DataFrame

5.Write a Pandas program to select the rows where the score is missing, i.e. is NaN

6.Write a Pandas program to select the rows the score is between 15 and 20.

7.Write a Pandas program to calculate the sum of the examination attempts by the students

Sample Python dictionary data and list labels:  
exam\_data = {'name': ['Anastasia', 'Dima', 'Katherine', 'James', 'Emily', 'Michael', 'Matthew', 'Laura', 'Kevin', 'Jonas'],  
'score': [12.5, 9, 16.5, np.nan, 9, 20, 14.5, np.nan, 8, 19],  
'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],  
'qualify': ['yes', 'no', 'yes', 'no', 'no', 'yes', 'yes', 'no', 'no', 'yes']}

8.Create a data frame to enter employee information ex. Name and salary and designation.Try to remove the duplicate information entered.Field-(Name salary designation)

9. Try to calculate the % of marks for 10 students over five subjects

Print the Grade according to the following criteria:

below 60 % Fail

60-80% grade B

above 80 Grade A

Use data frames to organize the information .Use necessary comments.

use exception handling for avoiding calculation errors.