

1. Write a Pandas program to select the 'name' and 'score' columns from the following DataFrame.

Sample DataFrame:

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']

labels = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']

In []:

2. Write a Pandas program to rename columns of a given DataFrame.

In []:

```
Sample data:
Original DataFrame
col1 col2 col3
0 1 4 7
1 2 5 8
2 3 6 9

New DataFrame after renaming columns:
Column1 Column2 Column3
0 1 4 7
1 2 5 8
2 3 6 9
```

In []:

3. Write a Python function that accepts a string and counts the number of upper and lower case letters.

In []:

4. Load the Wooldridge dataset hprice2.

- List 2 characteristics that are statistically positively correlated and 2 that are statistically negatively correlated
- Find the max and min values for all columns
- Display the row where the number of rooms is the highest

In []: