Pandas Lab n°4

Group

Step 1. Create the DataFrame with the following values:

```
raw_data = {'regiment': ['Nighthawks', 'Nighthawks', 'Nighthawks',
'Nighthawks', 'Dragoons', 'Dragoons', 'Dragoons', 'Dragoons', 'Scouts',
'Scouts', 'Scouts', 'Scouts'],'company': ['1st', '1st', '2nd', '2nd',
'1st', '1st', '2nd', '2nd','1st', '1st', '2nd', '2nd'],'name': ['Miller',
'Jacobson', 'Ali', 'Milner', 'Cooze', 'Jacon', 'Ryaner', 'Sone', 'Sloan',
'Piger', 'Riani', 'Ali'],'preTestScore': [4, 24, 31, 2, 3, 4, 24, 31, 2, 3,
2, 3],'postTestScore': [25, 94, 57, 62, 70, 25, 94, 57, 62, 70, 62, 70]}
```

"Instead of copying the data, you can use the function literal_eval from the ast package"

Step 2. What is the mean preTestScore from the regiment Nighthawks?

Step 3. Present general statistics by company

Step 4. What is the mean each company's preTestScore?

Step 5. Present the mean preTestScores grouped by regiment and company

Step 6. Present the mean preTestScores grouped by regiment and company without heirarchical indexing

Step 7. Group the entire dataframe by regiment and company

Step 8. What is the number of observations in each regiment and company

Step 9. Iterate over a group and print the name and the whole data from the regiment