

Aim: To select and display the 'name' and 'score' columns from a given Dataframe

pseudocode:

1. import the pandas and numpy library
2. a list the labels to use as the index labels for the Dataframe
3. the Dataframe from the dictionary specifying the index parameter with the list of labels
4. Display the Dataframe

sample input:

```
exam_data = { 'name': [ ],
               'score': [ ]
             }
```

sample output:

	Name	Score
a	Kethir	12.5
b	Sandy	9.0
c	Sumiya	10.5
d	Siddhy	11.0
e	Ranjith	9.0

Result:

This code was executed successfully and got the output

```
program 40.py - C:/Users/abhip/OneDrive/Documents/DSA05 LAB/program 40.py (3.12.4)
File Edit Format Run Options Window Help
import pandas as pd
import numpy as np

# Sample data
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 for the rows
labels = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']

# Creating the DataFrame
df = pd.DataFrame(exam_data, index=labels)

# Selecting the 'name' and 'score' columns
result = df[['name', 'score']]

# Displaying the result
print(result)
```

```
IDLE Shell 3.12.4
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Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun 6 2024, 19
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" f
>>>
===== RESTART: C:/Users/abhip/OneDrive/Documents/DS.
      name  score
a  Anastasia   12.5
b      Dima     9.0
c  Katherine   16.5
d      James    NaN
e      Emily     9.0
f    Michael   20.0
g    Matthew   14.5
h      Laura    NaN
i      Kevin     8.0
j      Jonas   19.0
>>>
```