

Exp-39

Aim: To retrieve and display the first 3 rows of a given Dataframe

pseudo code:

- 1 import the pandas and numpy library
- 2 a dictionary containing sample data with keys representing column names and values as lists
- 3 a list of labels to use the index labels for the dataframe
- 4 use the head() function with an argument of 3 to set the first 3 rows of the Dataframe
- 5 Display the Dataframe

sample input:

```
exam_data = { 'name': ['a', 'b', 'c'],  
              'score': [12.5, 9.0, 16.5],  
              'attempts': [1, 3, 2],  
              'quality': ['yes', 'no', 'yes'] }
```

Sample output:

	name	score	attempts	quality
a	kathir	12.5	1	yes
b	samrath	9.0	3	no
c	suriga	16.5	2	yes

Result:

This code was executed successfully and got the output

```

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']
}

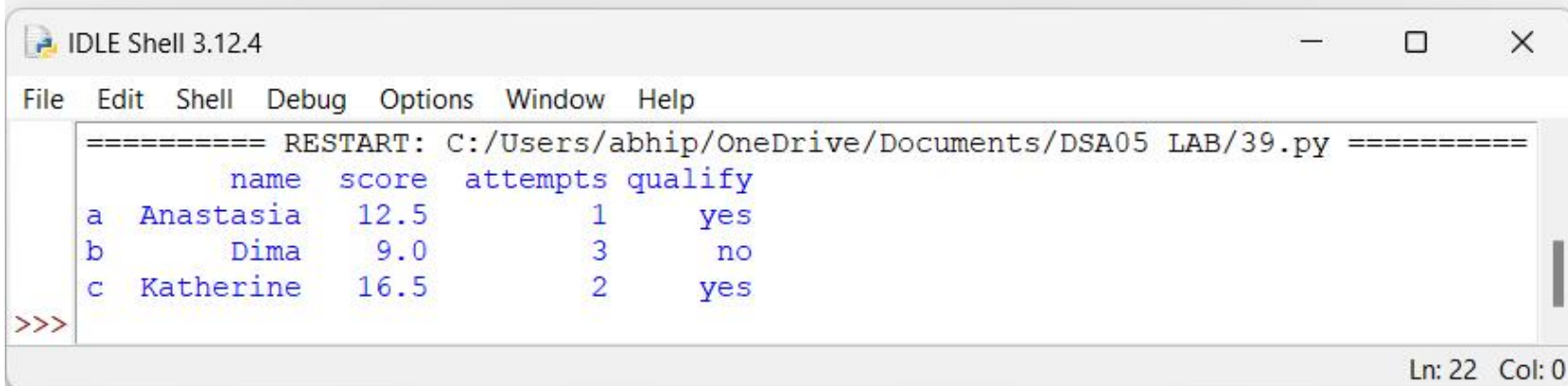
# Labels for the rows
labels = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']

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

# Getting the first 3 rows
result = df.head(3)

# Displaying the result
print(result)

```



```

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===== RESTART: C:/Users/abhip/OneDrive/Documents/DSA05 LAB/39.py =====
      name  score  attempts  qualify
a  Anastasia   12.5         1     yes
b      Dima     9.0         3      no
c  Katherine   16.5         2     yes
>>>

```

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