

Aim: To create and display a pandas Dataframe from a dictionary that includes specific index labels

pseudocode:

- 1 import the pandas and numpy library
- 2 Define a dictionary containing sample data with keys representing column names and values as list
- 3 use `pd.DataFrame()` to create a Dataframe from the dictionary, specifying the index parameter with the list of labels
- 4 Display The Dataframe:

Sample input:

```
exam_data = {'name': ['a', 'b', 'c', 'd', 'e'],
```

Sample output:

	name	score	attempts	quality
a	Anastasia	12.5	1	yes
b	Dima	9.0	3	no
c	Kathir	16.5	2	yes
d	James	NaN	3	no
e	Emily	9.0	2	no

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 with specified index labels
df = pd.DataFrame(exam_data, index=labels)

# Displaying the DataFrame
print(df)
```



	name	score	attempts	qualify
a	Anastasia	12.5	1	yes
b	Dima	9.0	3	no
c	Katherine	16.5	2	yes
d	James	NaN	3	no
e	Emily	9.0	2	no
f	Michael	20.0	3	yes
g	Matthew	14.5	1	yes
h	Laura	NaN	1	no
i	Kevin	8.0	2	no
j	Jonas	19.0	1	yes