38.Write a Pandas program to create and display a DataFrame from a

specified dictionary data which has the index labels.

Sample Python dictionary data and list labels:

exam\_data = {&#39;name&#39;: [&#39;Anastasia&#39;, &#39;Dima&#39;, &#39;Katherine&#39;, &#39;James&#39;, &#39;Emily&#39;,

&#39;Michael&#39;, &#39;Matthew&#39;, &#39;Laura&#39;, &#39;Kevin&#39;, &#39;Jonas&#39;],

&#39;score&#39;: [12.5, 9, 16.5, np.nan, 9, 20, 14.5, np.nan, 8, 19],

&#39;attempts&#39;: [1, 3, 2, 3, 2, 3, 1, 1, 2, 1],

&#39;qualify&#39;: [&#39;yes&#39;, &#39;no&#39;, &#39;yes&#39;, &#39;no&#39;, &#39;no&#39;, &#39;yes&#39;, &#39;yes&#39;, &#39;no&#39;, &#39;no&#39;, &#39;yes&#39;]}

labels = [&#39;a&#39;, &#39;b&#39;, &#39;c&#39;, &#39;d&#39;, &#39;e&#39;, &#39;f&#39;, &#39;g&#39;, &#39;h&#39;, &#39;i&#39;, &#39;j&#39;]

Program:

import pandas as pd

import numpy as np

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']

df = pd.DataFrame(exam\_data , index=labels)

print(df)

Output:

