Quiz on Creating pandas DataFrames

1.Which method is used to create a DataFrame from a dictionary of arrays or lists, with each array or list being of the same length?   **1 points**

- ○ create_dataframe
- ◉ from_dict
- ○ dict_to_dataframe
- ○ make_dataframe

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from_dict

2.A dataframe has two axes. What does axis=0 indicate?   **1 points**

- ◉ Row
- ○ Column
- ○ Values
- ○ Index

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Row

3.Which of the following is Not True about Series and Dataframe?   **1 points**

- ◉ Both are size mutable.
- ○ Both can be derived from pandas.
- ○ Both can be reshaped into different forms
- ○ Both can be created by passing data in form of list, dictionaries and array

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Both are size mutable.

4.Which of the following statements for creating a dataframe is valid?   1 points

○ df = pd.dataframe(dict1)

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◉ df = pd.DataFrame(dict1)

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df = pd.DataFrame(dict1)

5.(i) When dataframe is created with list of dictionaries, the columns are created from dictionary names. (ii) When a dataframe is created with a 2D list, column and index are labeled to 0, 1, 2... By default   1 points

○ (i) False (ii) True

○ (i) True (ii) False

◉ Both are True

○ Both are False

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Both are True

6.Identify the correct statement: 1 points

○ A dataframe can only store homogeneous elements

○ empty of dataframe counts NaN or NA values

◉ The index of a dataframe can be a number, letter or string.

○ Size of dataframe returns total no of rows.

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The index of a dataframe can be a number, letter or string.

7.A dataframe object can be created using: 1 points

○ Python Dictionary

- ( ) Python List

- ( ) Panda Series

- (●) All

8.You want to import the first 5 records of all items of stock.csv stored in the 'inventory' folder of c drive in dataframe 'product. What would be the correct statement for that?   `1 points`

- ( ) Product = pd.read_csv("c:\inventory\stock.csv", head = 5)

- ( ) Product = pd.read_csv("c:\inventory\stock.csv", rows = 5)

- (●) Product = pd.read_csv("c:\inventory\stock.csv", nrows = 5)

- ( ) Product = pd.read_csv("c:|inventory|stock.csv", top = 5)

9.Which of the following statements is INCORRECT regarding to_csv() method?
Statement1: We cannot export specific columns of a dataframe to CSV files Statement2: We can exclude column names to be saved to CSV file which exporting using header = none Statement3: We can exclude row labels of dataframe to be written in CSV file while exporting using index = False   `1 points`

- (●) Statement1, statement2

- ( ) Statement2, statement3

- ( ) Statement1, statement3

- ( ) Statement2

10.Select appropriate code to export all data of dataframe df to csv file temp.csv located in c drive excluding row labels.   `1 points`

- ( ) df.to_csv"C:\temp.csv")

- (●) df.to_csv("C:\temp.csv", index = False)

○ df.to_csv("C:|temp.csv", header = False)

○ None of the above

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df.to_csv("C:\temp.csv", index = False)