

# ***MACHINE LEARNING***

1. Which among the following options can be used to create a DataFrame in Pandas?  
A) An ndarray B) a python dictionary C) A scalar value D) All of the above

**D) All of the above**

2. A series is a one-dimensional array which is labelled and can hold any data type.  
A) True B) False

**A) True**

3. Which of the following operation works with the same syntax as the analogous dictionary operations?  
A) Getting columns B) setting columns C) deleting columns D) All of the above

**D) All of the above**

4. `pandas.NA == pandas.NA`, will give which of the following result?  
A) `<NA>` B) True C) False D) Error

**A) `<NA>`**

5. A panel is a \_\_\_\_\_ container of data in pandas?  
A) 1 dimensional B) 2 dimensional C) 3 dimensional D) infinite dimensions

**C) 3 dimensional**

6. What will be the output of the following lines of code? `import pandas as pd import numpy as np s = pd.Series(np.random.randn(4)) print(s.ndim)`  
A) Error B) 3 C) 2 D) 1

**D) 1**

7. Which of the following indexing capabilities is used as a concise means of selecting data from a pandas object??  
A) `in` B) `iy` C) `ix` D) `ipy`

**C) `ix`**

8. All pandas data structures are \_\_\_\_\_ mutable but not always \_\_\_\_\_ mutable.  
A) size, value B) value, size C) semantic, size D) None of these

**B) value, size**