**QUIZ**

1. **What is the output of the following code?**

**Import pandas as pd**

**score = [10, 15, 20, 25]**

**Pd.Series(data=score)**

1. 0         10

1          15

2          20

3 25

1. 1          10

2          15

3          20

4 25

1. 10

15

20

25

1. None of above

**Answer: a**

1. **Guess the output of the following code**

**flowers = pd.Series([2, 3, 5, 4], index=['lily', 'rose', 'daisy', 'lotus'])**

**flowers[2]**

1. 3
2. 5
3. rose
4. daisy

**Answer: b**

1. **Which of the following is true for the following code?**

**dataframe.drop(‘marks’, axis = 1)**

1. axis 1 is for searching rows
2. axis 0 is for searching columns
3. axis 1 is for searching columns

**Answer: c**

1. What is the output of the following code?

        data = {'prodID': ['101', '102', '103', '104', '104'],

           'prodname': ['X', 'Y', 'Z', 'X', 'W'],profit': ['2738', '2727', '3497', '7347', '3743']}

dataframe = pd.DataFrame(data)

dataframe

grouped\_data = dataframe.groupby('prodID')

grouped\_data.max()

a.

|  |  |  |
| --- | --- | --- |
| **Prod Id** | **prodname** | **profit** |
| **101** | X | 2738 |
| **102** | Y | 2727 |
| **103** | Z | 3497 |
| **104** | X | 7347 |

b.

|  |  |  |
| --- | --- | --- |
| **Prod Id** | **prodname** | **profit** |
| **101** | X | 2738 |
| **102** | Y | 2727 |
| **103** | Z | 3497 |

c.

|  |  |  |
| --- | --- | --- |
| **104** | X | 7347 |

d.None of the above

**Answer: a**

1. **Which of the following is correct in order to merge two dataframes.**
2. pd.concat[df1, df2]
3. pd.concat([df1, df2])
4. pd.merge[df1, df2]
5. pd.merge([df1, df2])

**Answer:b**

1. **Arithmetic Mean is defined as?**
2. Sum of all observations.
3. Sum of total number of observations.
4. Sum of all observations divided by Sum of total number of observations.
5. None of the above.

**Answer: c**

1. **How can Median be calculated?**
2. N+1/2
3. N+1
4. N+1/2 th value
5. None of the above.

**Answer: c**

1. **What is Mode?**
2. Mode is the value which occurs often.
3. It has the maximum frequency of occurrence.
4. It has resistance for outliers.
5. All of the above.

**Answer: d**

1. **Find the median of the set = {2, 4, 4, 3, 8, 67, 23}**
2. 2
3. 3
4. 8
5. 4

**Answer: d**

1. **Which can be treated algebraically i.e, which of the following can be combined of several groups?**
2. Mean
3. Median
4. Mode
5. None of the above.

**Answer: a**