QUIZ:- 06

Started on	Donnerstag, 25 November 2021, 10:54
State	Finished
Completed on	Donnerstag, 25 November 2021, 11:05
Time taken	10 mins 51 secs
Marks	8.00/8.00
Grade	**4.00** out of 4.00 (**100**%)

Question **1**

Complete

Mark 2.00 out of 2.00

⚐ Flag question

Given the following code

```
import pandas as pd
data = pd.Series(['a', 'b', 'c'], index=[1, 3, 5])
```

which of the following statements is true?

Select one or more:

☐ data[1]

will return

'b'

☑ data[1]

will return

'a'

☐ data[0]

will return

'a'

Question **2**

Complete

Mark 2.00 out of 2.00

⚐ Flag question

Given the following code:

```
import pandas as pd
s = pd.Series([2,5,9,1])
```

Which of the following code snippets returns the mean of all values in s that are larger than 3?

Select one or more:

☑ s[s>3].mean()

☑ import numpy as np
np.mean(s[s>3])

Given the following code:

```
import pandas as pd
a = pd.Series([1, None, 17, None, -19])
```

Which of the following code snippets computes the median of all numeric values that are not None?

Select one or more:

- ☑ `a.median()`

- ☑ `a[~a.isnull()].median()`

- ☑ `a.dropna().median()`

Given the following code snippet:

```
import pandas as pd
df = pd.DataFrame({

        'key' : ['a', 'a', 'b', 'b', 'a'],

        'data' : [1,2,-1,-3,5]

    })
```

Which of the following statements computes the mean after grouping by the column 'key'?

Select one or more:

- ☑ `df.groupby('key').mean()['data']`

- ☑ `df.groupby('key').mean()`

- ☑ `df.groupby('key')['data'].mean()`

- ☐ `df['data'].groupby('key').mean()`