

# Python Quiz 4 - Module 6, Week 1

You may use Jupyter, PyCharm, Python Idle & VS Code for this quiz. Hope you enjoy & have fun!

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\* Required

1. Choose the correct statement: The pandas package is the most important tool at the disposal of Data Scientists and Analysts working in Python today. \*

(1 Point)

- ☒ True
- ☐ Maybe
- ☐ False

2. What is pandas used for? \*

(2 Points)

- ☒ Visualize the data with help from Matplotlib.
- ☒ Determine how data is transformed from Excel to Power BI
- ☐ Calculate quartiles and inter quartiles.
- ☐ Determine average, median, max, or min of each column?

3. What is the output of the code below:

```
import pandas as pd

data = [['Axola',12],['Bongiwe',19],['Dwayne',26]]

df = pd.DataFrame(data,columns=['Name','Age'])

print (df) *
```

(2 Points)

Name	Age	0	Axola	12	1	Bongiwe	19	2	Dwayne	26
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4. Choose the correct statement: What is a DataFrame in Python? \*

(1 Point)

- ☐ A DataFrame is more than two-dimensional data structure
- ☐ A DataFrame is a dimensional- data structure for graphs
- ☒ A DataFrame is a two-dimensional data structure

5. Complete the code below and enter your output in the answer block:

```
import _____ as pd

____ = {'Name':['Maruis', 'Irma', 'Sibongile', 'Zacharee'],'Yolisa':[18,35,28,42]}

df = pd.DataFrame(data, index=['rank1','rank2','rank3','rank4'])

print __df__ *
```

(4 Points)

Name	Yolisa	rank1	Maruis	18	rank2	Irma	35	rank3	Sibongile	28	rank4	Zacharee
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