

## Quiz

# Pandas:

1. Which of the following is the primary data structure in the Pandas library?

- a) List
- b) Dictionary
- c) DataFrame
- d) Tuple

Answer: c) DataFrame

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2. What method is used to read a CSV file into a Pandas DataFrame?

- a) pd.load\_csv()
- b) pd.read\_csv()
- c) pd.import\_csv()
- d) pd.open\_csv()

Answer: b) pd.read\_csv()

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3. How can you display the first 5 rows of a DataFrame `df`?

- a) df.show(5)
- b) df.head(5)
- c) df.first(5)
- d) df.top(5)

Answer: b) df.head(5)

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4. What is the default axis for the `drop()` function in a Pandas DataFrame?

- a) 0 (rows)
- b) 1 (columns)
- c) 2 (cells)
- d) None of the above

Answer: a) 0 (rows)

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5. Which of the following function is used to get a summary of DataFrame, including the count, mean, and standard deviation of numerical columns?

- a) df.info()
- b) df.describe()
- c) df.sum()
- d) df.mean()

**Answer: b) df.describe()**

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6. How can you select a column named `age` from a DataFrame `df`?

- a) df.age()
- b) df['age']
- c) df.select('age')
- d) df.column('age')

**Answer: b) df['age']**

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7. What method is used to check for missing values in a DataFrame?

- a) df.has\_null()
- b) df.isna()
- c) dfisempty()
- d) df.check\_na()

**Answer: b) df.isna()**

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8. Which method is used to concatenate two DataFrames vertically?

- a) pd.concat()
- b) pd.merge()
- c) pd.append()
- d) pd.join()

**Answer: a) pd.concat()**

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9. In a DataFrame, how do you sort values based on a specific column `age`?

- a) df.sort\_by('age')
- b) df.order\_by('age')
- c) df.sort\_values(by='age')
- d) df.arrange('age')

**Answer: c) df.sort\_values(by='age')**

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#### 10. What is the output of the following code snippet?

```
df['age'] > 30
```

- a) A DataFrame
- b) A Series of Boolean values
- c) A list of integers
- d) An error message

**Answer: b) A Series of Boolean values**