* Getting started with Pandas
* Pandas Key Data Structures
* Overview of Series
* Standard Operations on Series
* Overview of Pandas Dataframes
* Create Pandas Dataframe using list of tuples
* Create Pandas Dataframe using list of dicts
* Number of columns and rows in Pandas Dataframe
* Using count and describe
* Overview of Standard Operations
* Exercise and Solution

1. Which of the following file formats can Pandas read directly?

a) CSV

b) JSON

c) Excel

d) All of the above

Answer: d) All of the above

1. How can you create a Series in Pandas?

a) By passing a list, numpy array or dictionary to the Series constructor

b) By passing a tuple or dictionary to the Series constructor

c) By passing a list or numpy array to the DataFrame constructor

d) By passing a dictionary or tuple to the DataFrame constructor

Answer: a) By passing a list, numpy array or dictionary to the Series constructor

1. How can you change the index of a Series?

a) By using the set\_index() method

b) By using the reset\_index() method

c) By using the reindex() method

d) By using the index() method

Answer: a) By using the set\_index() method

1. How can you add two Series in Pandas?

a) By using the add() method

b) By using the sum() method

c) By using the concat() method

d) By using the merge() method

Answer: a) By using the add() method

1. What is the default index type for a DataFrame?

a) Integer index

b) String index

c) Date index

d) None

Answer: a) Integer index

1. How can you create a DataFrame using a list of tuples?

a) By passing the list of tuples to the DataFrame constructor

b) By passing the list of tuples to the Series constructor

c) By passing the list of tuples to the Panel constructor

d) None of the above

Answer: a) By passing the list of tuples to the DataFrame constructor

1. How can you create a DataFrame using a list of dicts?

a) By passing the list of dicts to the DataFrame constructor

b) By passing the list of dicts to the Series constructor

c) By passing the list of dicts to the Panel constructor

d) None of the above

Answer: a) By passing the list of dicts to the DataFrame constructor

1. What is the syntax to get the number of rows and columns in a Pandas DataFrame?

a) df.dimensions()

b) df.shape()

c) df.size()

d) None of the above

Answer: b) df.shape()

1. What is the syntax to get a summary of statistics for a Pandas DataFrame?

a) df.summary()

b) df.describe()

c) df.stats()

d) None of the above

Answer: b) df.describe()

1. What is the syntax to select a column in a Pandas DataFrame?

a) df.select\_column('column\_name')

b) df.column\_name

c) df['column\_name']

d) None of the above

Answer: c) df['column\_name']