* Recap of data processing using low level APIs
* Overview of Pandas read APIs
* Read sales data into Pandas Dataframe
* Read data from csv file without Header
* Specifying Delimiter or Separator
* Filter for Valid Sales Records
* Compute Commission Amount and Sale Revenue
* Overview of Pandas write or to APIs
* Write Processed data to csv file with header
* Validate reviewing file
* Exercise and Solution

1. What is Pandas?

A) A type of bear

B) A programming language

C) A data manipulation library in Python

D) A type of graph

Answer: C) A data manipulation library in Python

1. What is the function of the read\_csv() method in Pandas?

A) To read a CSV file

B) To write a CSV file

C) To create a CSV file

D) To delete a CSV file

Answer: A) To read a CSV file

1. How do you read a CSV file without headers using Pandas?

A) Set the header parameter to None

B) Set the header parameter to True

C) Remove the first row of the CSV file

D) Use a different file format

Answer: A) Set the header parameter to None

1. How do you specify a delimiter or separator when reading a CSV file with Pandas?

A) Use the delimiter parameter

B) Use the separator parameter

C) Use the csv\_format parameter

D) Use the file\_format parameter

Answer: A) Use the delimiter parameter

1. How do you filter for valid sales records in a Pandas DataFrame?

A) Use the filter() method

B) Use the query() method

C) Use the sort\_values() method

D) Use the groupby() method

Answer: B) Use the query() method

1. How do you compute the commission amount and sale revenue in a Pandas DataFrame?

A) Use the apply() method

B) Use the groupby() method

C) Use the sort\_values() method

D) Use the filter() method

Answer: A) Use the apply() method

1. What is the function of the to\_csv() method in Pandas?

A) To read a CSV file

B) To write a CSV file

C) To create a CSV file

D) To delete a CSV file

Answer: B) To write a CSV file

1. How do you write processed data to a CSV file with a header using Pandas?

A) Set the header parameter to True

B) Set the header parameter to False

C) Use the write\_csv() method

D) Use the to\_csv() method with the header parameter set to True

Answer: D) Use the to\_csv() method with the header parameter set to True

1. How do you validate the file after writing data to a CSV file using Pandas?

A) Check the file size

B) Check the file name

C) Read the file and compare it to the original data

D) None of the above

Answer: C) Read the file and compare it to the original data

1. Which method do you use to apply a function to each element in a Pandas DataFrame?

A) filter()

B) query()

C) apply()

D) groupby()

Answer: C) apply()