Section A data creation and importing

Q. 1

import pandas as pd

# Define the data

data = {

'Name': ['John', 'Emma', 'Robert'],

'Age': [25, 28, 31],

'City': ['New York', 'Paris', 'London']

}

# Create the DataFrame

df = pd.DataFrame(data)

# Display the DataFrame

print(df)

Output :

Name Age City

0 John 25 New York

1 Emma 28 Paris

2 Robert 31 London

Q. 2

import pandas as pd

df = pd.read\_csv('data.csv')

Q. 3

import pandas as pd

# Load the Excel file into a DataFrame

df = pd.read\_excel('data.xlsx')

# Display the DataFrame

print(df)

df = pd.read\_excel('data.xlsx', sheet\_name='YourSheetName')

Q. 4

import pandas as pd

# Load the JSON file into a DataFrame

df = pd.read\_json('data.json')

# Display the DataFrame

print(df)

Q. 5

import pandas as pd

# Read the HTML file into a list of DataFrames

dfs = pd.read\_html('your\_file.html')

# Select the first table (if there are multiple)

df = dfs[0]

# Display the DataFrame

print(df)

Q. 6

import pandas as pd

# Define the dictionary

data = {

'Product': ['Product A', 'Product B', 'Product C'],

'Price': [10.99, 9.99, 12.99]

}

# Create the DataFrame

df = pd.DataFrame(data)

# Display the DataFrame

print(df)

Output

Product Price

0 Product A 10.99

1 Product B 9.99

2 Product C 12.99

Q. 7

import pandas as pd

# Load the CSV file into a DataFrame

df = pd.read\_csv('your\_file.csv')

# Display the first 5 rows

print(df.head(5))

print(df.iloc[:5])