* Different approaches to process JSON data
* Getting started with json module
* Converting JSON string to dict
* Converting dict to JSON string
* Read JSON Array from file
* Read JSON Documents from file
* Write list of dicts to file
* Write dicts to file (one per line)
* Exercise and Solution

1. What is the method in the json module that is used to convert a JSON string to a Python dictionary?

A. json.loads()

B. json.dumps()

C. json.load()

D. json.dump()

Answer: A

1. Which method in the json module can be used to pretty-print a Python dictionary as a JSON string?

A. json.dumps()

B. json.load()

C. json.dump()

D. json.loads()

Answer: A

1. Which parameter in the json.dumps() method can be used to sort the keys of the Python dictionary before converting it to a JSON string?

A. sort\_keys=True

B. sort=True

C. key\_sort=True

D. sort\_keys=False

Answer: A

1. Which of the following is a benefit of using JSON as a data interchange format?

A. It is human-readable and easy to understand

B. It can handle complex data structures

C. It can be used with multiple programming languages

D. All of the above

Answer: D

1. What does the json.load() method return?

A. A JSON string

B. A Python dictionary

C. A Python list

D. A Python object

Answer: C

1. Which of the following is a valid list of dictionaries in Python?

A. [{"name": "John", "age": 30}, {"name": "Jane", "age": 25}]

B. {"name": "John", "age": 30}, {"name": "Jane", "age": 25}

C. [("name", "John"), ("age", 30)], [("name", "Jane"), ("age", 25)]

D. {"name": "John", "age": 30, "name": "Jane", "age": 25}

Answer: A

1. Which of the following is the correct way to open a file for reading in Python?

A. f = open("file.json", "r")

B. f = open("file.json", "w")

C. f = open("file.json", "a")

D. f = open("file.json", "x")

Answer: A

1. What does the json.dump() method return?

A. A JSON string

B. A Python dictionary

C. None

D. A file object

Answer: C

1. What is the method in the json module that is used to write dictionaries to a file, one per line?

A. json.dump()

B. json.dumps()

C. json.load()

D. json.loads()

Answer: A

1. Which of the following is a valid JSON object?

A. {"name": "John", "age": 30, "city": "New York"}

B. ["apple", "banana", "cherry"]

C. true

D. All of the above

Answer: A