* Overview of JSON Records or Documents
* Using JSON Formatter
* Text Files with JSON Documents
* Supported JSON Data Types
* Overview of JSON Arrays
* Nested JSON Documents
* Exercise and Solution

1. What is JSON?

A. JavaScript Object Notation

B. Java Serialized Object Notation

C. JavaScript Serialized Object Notation

D. None of the above

Answer: A

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

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

B. {'name': 'John', 'age': 30, 'city': 'New York'}

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

D. {"name" = "John", "age" = 30, "city" = "New York"}

Answer: A

1. What is the purpose of the JSON formatter?

A. To format JSON data in a more human-readable way

B. To convert JSON data to XML format

C. To compress JSON data to save storage space

D. None of the above

Answer: A

1. Which of the following data types can be stored in JSON?

A. String

B. Number

C. Boolean

D. All of the above

Answer: D

1. What is a JSON array?

A. A collection of key-value pairs in JSON

B. A collection of JSON objects

C. A collection of JSON strings

D. None of the above

Answer: B

1. What is a nested JSON document?

A. A JSON document that contains multiple JSON arrays

B. A JSON document that contains another JSON object or array as a value

C. A JSON document that is saved in a nested directory structure

D. None of the above

Answer: B

1. Which Python module is used for working with JSON data?

A. json

B. yaml

C. xml

D. csv

Answer: A

1. How to read JSON data from a file in Python?

A. Using the load() method from the json module

B. Using the read() method from the json module

C. Using the open() function from the json module

D. None of the above

Answer: A

1. How to write JSON data to a file in Python?

A. Using the dump() method from the json module

B. Using the write() method from the json module

C. Using the open() function from the json module

D. None of the above

Answer: A

1. Which method is used to convert a JSON string to a Python object?

A. json.loads()

B. json.load()

C. json.dumps()

D. json.dump()

Answer: A