



The json library in Python

1. Encoding Python Data to JSON:

```
import json

# Python dictionary to be encoded to JSON
data = {
    "name": "John",
    "age": 30,
    "city": "New York"
}

# Encode the Python dictionary to JSON
json_data = json.dumps(data)

print("Encoded JSON:", json_data)

#clcoding.com
```

Encoded JSON: {"name": "John", "age": 30, "city": "New York"}



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2. Decoding JSON to Python Data:

```
import json

# JSON data to be decoded to Python
json_data = '{"name": "John", "age": 30, "city": "New York"}'

# Decode the JSON data to a Python dictionary
data = json.loads(json_data)

print("Decoded Python Data:", data)

#clcoding.com
```

Decoded Python Data: {'name': 'John', 'age': 30, 'city': 'New York'}



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3. Reading JSON from a File:

```
import json

# Read JSON data from a file
with open('clcoding.json', 'r') as file:
    data = json.load(file)

print("JSON Data from File:", data)

#clcoding.com
```

JSON Data from File: {'We are supporting freely to
\n\nInstagram Support : <https://www.instagram.com/>
<https://clcoding.quora.com/>\n\nFree Support: pythonclcoding.com
<https://www.facebook.com/pythonclcoding>\n\nJoin us: <https://www.facebook.com/groups/pythonclcoding/>



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4. Writing JSON to a File:

```
import json

# Python dictionary to be written to a JSON file
data = {
    "name": "John",
    "age": 30,
    "city": "New York"
}

# Write the Python dictionary to a JSON file
with open('output.json', 'w') as file:
    json.dump(data, file)

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```



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5. Handling JSON Errors:

```
import json

# JSON data with syntax error
json_data = '{"name": "John", "age": 30, "city": "New York"}'

try:
    # Attempt to decode JSON data
    data = json.loads(json_data)
except json.JSONDecodeError as e:
    # Handle JSON decoding error
    print("Error decoding JSON:", e)

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```

Error decoding JSON: Expecting ',' delimiter: line 1 column 47



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