

# Serialization Formats

## JSON

```
import json

import requests

def main():
    data = {
        'username': 'james',
        'active': True,
        'subscribers': 10,
        'order_total': 39.99,
        'order_ids': ['ABC123', 'QQQ422', 'LOL300'],
    }

    print(data)

    # printing object as json string
    s = json.dumps(data)
    print(s)

    # getting python object from json string
    data2 = json.loads(s)
    assert data2 == data

    # writing data to file
    with open('test_data.json', 'w') as f:
        json.dump(data, f)

    # reading data from file
    with open('test_data.json') as f:
        data3 = json.load(f)
```

```
assert data3 == data
```

```
r = requests.get('https://jsonplaceholder.typicode.com/users')  
print(type(r.json()))
```

```
if __name__ == '__main__':  
    main()
```

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Revision #1

Created 7 March 2024 01:30:09 by victor

Updated 7 March 2024 01:49:41 by victor