

```
In [10]: import json
from json import JSONDecodeError, JSONEncoder
```

JSON

Loading JSON

```
In [6]: jsonString = '{"a": "apple", "b": "bear", "c": "cat",}'
try:
    json.loads(jsonString)
except JSONDecodeError:
    print('Could not parse JSON!')
```

Could not parse JSON!

```
In [3]: {'a': 'apple', 'b': 'bear', 'c': 'cat',}
```

```
Out[3]: {'a': 'apple', 'b': 'bear', 'c': 'cat'}
```

Dumping JSON

```
In [7]: pythonDict = {'a': 'apple', 'b': 'bear', 'c': 'cat',}
json.dumps(pythonDict)
```

```
Out[7]: '{"a": "apple", "b": "bear", "c": "cat"}'
```

Custom JSON Decoders

```
In [11]: class Animal:
    def __init__(self, name):
        self.name = name

class AnimalEncoder(JSONEncoder):
    def default(self, o):
        if type(o) == Animal:
            return o.name
        return super().default(o)

pythonDict = {'a': Animal('aardvark'), 'b': Animal('bear'), 'c': Animal('cat')},
json.dumps(pythonDict, cls=AnimalEncoder)
```

```
Out[11]: '{"a": "aardvark", "b": "bear", "c": "cat"}'
```

```
In [ ]:
```

