Unit 9

JSON

JSON

- ***JSON*** *(JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate.*
- Ví dụ: (giống kiểu dict)

```
{
    "name": "Nhất Nghệ",
    "age": 18,
    "isActive": true
}
```

python™

Python and JSON

- import json

- JSON to Python
```
jsonData = '{"name": "Nhất Nghệ", "age": 18}'
jsonToPython = json.loads(jsonData)
```

- Python to JSON
```
pythonDictionary = {'name':'Bob', 'age':44,
'isEmployed':True}
dictionaryToJson =
json.dumps(pythonDictionary)
```

Map Python type to json

Python	JSON
dict	object
list, tuple	array
str	string
int, float, int- & float-derived Enums	number
True	true
False	false
None	null

Map JSON to python

JSON	Python
object	dict
array	list
string	str
number (int)	int
number (real)	float
true	True
false	False
null	None