Python Flask로 API 만들기

from flask import Flask, make\_response, jsonify, request

app = Flask(\_\_name\_\_)

rows = []

@app.route('/')

def hello():

return 'Hello World!'

#: 연락처 생성

@app.route('/addressbook', methods=['POST'])

def emplace():

newrow = {

"id": len(rows) + 1,

"first\_name": request.values.get('first\_name'),

"last\_name": request.values.get('last\_name'),

"phone": request.values.get('phone')

}

rows.append(newrow)

return make\_response(jsonify(newrow), 200)

#: 연락처 목록 조회

@app.route('/addressbook')

def find\_list():

return make\_response(jsonify(adrs=rows), 200)

#: 연락처 조회

@app.route('/addressbook/<int:id>', methods=['GET'])

def find\_one(id):

row = [r for r in rows if r['id'] == id]

if not row:

return make\_response(jsonify(message="존재하지 않는 사용자입니다"), 200)

else:

row = row[0]

return make\_response(jsonify(row), 200)

#: 연락처 수정

@app.route('/addressbook/<int:id>', methods=['PUT'])

def modify(id):

row = [r for r in rows if r['id'] == id]

if not row:

return make\_response(jsonify(message="존재하지 않는 사용자입니다"), 200)

else:

row = row[0]

row['first\_name'] = request.values.get('first\_name')

row['last\_name'] = request.values.get('last\_name')

row['phone'] = request.values.get('phone')

return make\_response(jsonify(row), 200)

#: 연락처 삭제

@app.route('/addressbook/<int:id>', methods=['DELETE'])

def erase(id):

del rows[id-1]

return make\_response(jsonify(id=id), 200)

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host='0.0.0.0', port=80)

외부 API 활용하기

from flask import Flask, make\_response, jsonify, request

import requests

app = Flask(\_\_name\_\_)

@app.route('/')

def hello():

return 'Hello World!'

#: 연락처 생성

@app.route('/addressbook', methods=['POST'])

def emplace():

newrow = {

"first\_name": request.values.get('first\_name'),

"last\_name": request.values.get('last\_name'),

"phone": request.values.get('phone')

}

response = requests.post('http://fabius.ciceron.xyz/addressbook', data=newrow)

row = response.json()

return make\_response(jsonify(response.json()), 200)

#: 연락처 목록 조회

@app.route('/addressbook')

def find\_list():

response = requests.get('http://fabius.ciceron.xyz/addressbook')

rows = response.json()

return make\_response(jsonify(rows), 200)

#: 연락처 조회

@app.route('/addressbook/<int:id>', methods=['GET'])

def find\_one(id):

response = requests.get('http://fabius.ciceron.xyz/addressbook/{}'.format(id))

row = response.json()

return make\_response(jsonify(row), 200)

#: 연락처 수정

@app.route('/addressbook/<int:id>', methods=['PUT'])

def modify(id):

updaterow = {

"first\_name": request.values.get('first\_name'),

"last\_name": request.values.get('last\_name'),

"phone": request.values.get('phone')

}

response = requests.put('http://fabius.ciceron.xyz/addressbook/{}'.format(id), data=updaterow)

row = response.json()

return make\_response(jsonify(row), 200)

#: 연락처 삭제

@app.route('/addressbook/<int:id>', methods=['DELETE'])

def erase(id):

response = requests.delete('http://fabius.ciceron.xyz/addressbook/{}'.format(id))

row = response.json()

return make\_response(jsonify(row), 200)

if \_\_name\_\_ == '\_\_main\_\_':

app.run(host='0.0.0.0')