SERVIDOR/API

PASO 1 $ LIBRERIAS IMPORTADAS$

```python
import os, sys
from flask import Flask, render_template, redirect, request, jsonify
import json
```

PASO 2 $ FLASK $

```python
app = Flask(__name__)

@app.route("/")
def default():
    return "I am the default function"
```

PASO 3 $ FLASK GET $

```python
@app.route('/get', methods=['GET'])
def get( ):
    return '''<h1>Distant Reading Archive</h1>
<p>A prototype API for distant reading of science fiction novels.</p>'''
```

RUTA POR DEFECTO

```python
@app.route('/give_me_id', methods=['GET'])
def give_id():
    x = request.args['id']
    return request.args
```

CREO UNA RUTA
SOLICITA id

```python
@app.route('/api/test/', methods=['GET'])
def api_all( ):
    restaurant_id = None
    if 'id' in request.args:
        restaurant_id = int(request.args['id'])

    if restaurant_id == 1:
        return "{'json': true}"
    elif restaurant_id == 99:
        return jsonify(col_1=[3, 2, 1, 0], col_2=['a', 'b', 'c', 'd'])
    else:
        return "This is a message of error" + "<br>" + "<br>" + str(request.args)
```

CREO UNA FUNCION
CON RUTA API TEST

PASO 4 $ MAIN $ **EN ESTE PASO CREAMOS EL SERVIDOR**

```python
def main():

    print("STARTING PROCESS")
    print(os.path.dirname(__file__))
    settings_file = os.path.dirname(__file__) + \\settings.json
```

RUTA AL FICHERO

```python
    with open(settings_file, "r") as json_file_readed:
        json_readed = json.load(json_file_readed)
```

ABRO MODE r Y LO CARGO EN UNA VARIABLE

```python
    SERVER_RUNNING = json_readed["server_running"]
    if SERVER_RUNNING:
        DEBUG = json_readed["debug"]
        HOST = json_readed["host"]
        PORT_NUM = json_readed["port"]
        app.run(debug=DEBUG, host=HOST, port=PORT_NUM)
    else:
        print("Server settings.json doesn't allow to start server. " +
            "Please, allow it to run it.")

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

CREO LA API

App.run método de flasck que crea la API