

WSGI 스크립트

```
from wsgiref.simple_server import make_server
from cgi import parse_qs
import json
```

```
def application(environ, start_response):
```

함수

```
    try:
```

```
        request_body_size = int(environ.get('CONTENT_LENGTH', 0))
```

Request_body에서 content_length가 얼마인지 알아내고 그만큼

```
    except ValueError:
```

```
        request_body_size = 0
```

```
    request_body = environ['wsgi.input'].read(request_body_size)
```

read라는 콜을 통해 sentence, character 정보를 가져옴

```
    d = parse_qs(request_body)
```

```
    sentence = d.get('sentence', [''])[0]
```

```
    character = d.get('character', [''])[0]
```

- `length_sentence = len(sentence)`
- `character_count = sentence.count(character)`
- `status = '200 OK'`
- `response_body = json.dumps({'length': length_sentence , 'count' : character_count})`
- `response_headers = [`
- `('Content-Type', 'application/json'),`
- `('Content-Length', str(len(response_body)))`
- `]`
- `start_response(status, response_headers)`
- `return [response_body]`

Json 을 이용해 출력할 데이터를 포맷팅한다

Headers = tuple
Content-Type에는
application/json
Content-Length에는
Str(len(response_body))를 담는다

```
httpd = make_server('192.168.43.117', 8051, application)
httpd.serve_forever()
```

MIT App Inventor - Chrome

MIT App Inventor x

ai2.appinventor.mit.edu/?locale=en#5186282387668992

앱 NAVER SW Project 1 (201 count

MIT App Inventor 2 Beta

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SW_Project_Homework

Screen1 Add Screen ... Remove Screen

Designer Blocks

Built-in

Control

Logic

Math

Text

Lists

Colors

시시스템 예약

Screen1

Label4

TextBox1

HorizontalArrangemen

Label1

TextBox2

Button1

Label2

Media

Upload File ...

when Button1 .Click

do

set Web1 . Url to "http://192.168.43.117/calc "

call Web1 .PostText

text join " Sentence = "

TextBox1 . Text

" Character = "

TextBox2 . Text

initialize global Length to 0

initialize global Count to 0

when Web1 .GotText

url responseCode responseType responseContent

do

call calc

jsonText get responseContent

set Label2 . Text to join " your sentence is "

get global Length

" characters long "

set Label3 . Text to join " Andi t contains "

get global Count

" occurrences of "

TextBox2 . Text

" "

to calc jsonText

do

set global Length to look up in pairs key " length_sentence "

pairs call Web1 .JsonTextDecode

jsonText get jsonText

notFound " not found "

set global Count to look up in pairs key " character_count "

pairs call Web1 .JsonTextDecode

jsonText get jsonText

notFound " not found "

0 0

Show Warnings