

MongoDB + Shodan

```
import shodan from pymongo import MongoClient #쇼단 API 키 SHODAN_API_KEY =
'Z2soDBnFLLNRKZsamG9hUQLtBBh9GTWH' api = shodan.Shodan(SHODAN_API_KEY) #DB
연결 client = MongoClient('mongodb://localhost:27017') db =
client['shodan_db'] collection = db['webcam_results'] #웹캠 검색 results =
api.search('webcam') print(f"검색 결과 : {results['total']}") for match in
results['matches'][:3]: data = { "ip": match['ip_str'], "port":
match['port'], "org": match.get('org', 'n/a'), "location":
match['location']['country_name'], "hostname": match['hostnames'] }
collection.insert_one(data) print(f"저장된 IP: {match['ip_str']}")
```

app.py

```
from flask import Flask, render_template from pymongo import MongoClient
app = Flask(__name__) #DB 연결 client =
MongoClient('mongodb://localhost:27017') db = client['shodan_db']
collection = db['webcam_results'] @app.route('/') def index(): results =
collection.find() return render_template('index.html', results=results) if
__name__ == "__main__": app.run(debug=True)
```

index.html

```
<!DOCTYPE html> <html lang="en"> <head> <meta charset="UTF-8"> <meta
name="viewport" content="width=device-width, initial-scale=1.0">
<title>RSS 조회 결과</title> <link rel="stylesheet" type="text/css" href="
{{url_for('static', filename='style.css')}}"> </head> <body> <h1>쇼단 결과
페이지</h1> <table border="1"> <tr> <td>IP</td> <td>Port</td>
<td>Organization</td> <td>Location</td> <td>Hostnames</td> </tr> {% for
result in results %} <tr> <td>{{result.ip}}</td> <td>{{result.port}}</td>
<td>{{result.org}}</td> <td>{{result.location}}</td> <td>
{{result.hostname}}</td> </tr> {% endfor %} </table> </body> </html>
```

