

컴퓨터 네트워크

[실습 8]

컴퓨터공학과

201702042 우정균

Python 3 Dynamic App Server 실습

nginx.conf

```
server {  
    listen 8080;  
  
    location /pastebin/api/ {  
        proxy_pass http://host.docker.internal:8889/;  
        proxy_set_header X-Real-IP $remote_addr;  
        proxy_set_header Host $host;  
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
    }  
}
```

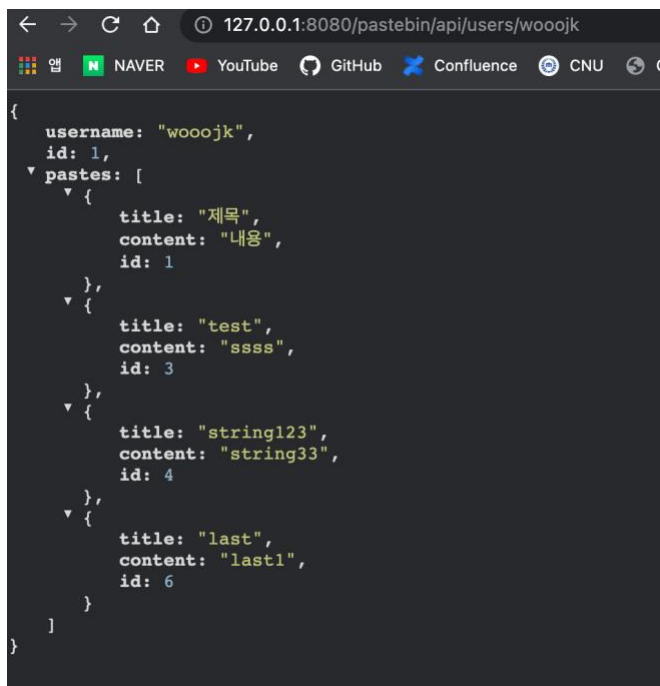
nginx.conf 파일의 http {... server} 부분을 위와 같이 작성했다.

location 이 /pastebin/api/일 때, <http://host.docker.internal:8889/>로 이동 한다.

이 때, 실습 자료는 url 뒤에 '/'가 붙지 않지만, 과제에선 '/'가 붙는다.

이유는 아마 endpoint 뒤에 api 들이 붙기 때문이다. '/'가 붙지 않으면 api 들이 작동하지 않는다.

GET /users/{사용자명}



```
{  
  username: "wooojk",  
  id: 1,  
  pastes: [  
    {  
      title: "제목",  
      content: "내용",  
      id: 1  
    },  
    {  
      title: "test",  
      content: "ssss",  
      id: 3  
    },  
    {  
      title: "string123",  
      content: "string33",  
      id: 4  
    },  
    {  
      title: "last",  
      content: "last1",  
      id: 6  
    }  
  ]  
}
```

GET /users/

```
127.0.0.1:8080/pastebin/api/users/
[
  {
    username: "wooojk",
    id: 1,
    pastes: [
      {
        title: "제목",
        content: "내용",
        id: 1
      },
      {
        title: "test",
        content: "ssss",
        id: 3
      },
      {
        title: "string123",
        content: "string33",
        id: 4
      },
      {
        title: "last",
        content: "last1",
        id: 6
      }
    ]
  },
  {
    username: "wooojk1",
    id: 2,
    pastes: [
      {
        title: "제목",
        content: "내용2",
        id: 2
      },
      {
        title: "strin3333g",
        content: "string",
        id: 5
      }
    ]
  },
  {
    username: "201702042",
    id: 3,
    pastes: [
      {
        title: "제목입니다",
        content: "내용입니다",
        id: 7
      }
    ]
  }
]
```

/docs

127.0.0.1:8080/pastebin/api/docs

FastAPI 0.10.0 0453

/pastebin/api/openapi.json

Servers

/pastebin/api

default

GET	/app	Read Main
GET	/users/	Get Users
POST	/users/	Create User
GET	/users/{username}	Get User
GET	/users/{username}/verify/	Verify User
GET	/users/{username}/pastes/	Get Pastes For User
POST	/users/{username}/pastes/	Create Paste For User

POST /users/

127.0.0.1:8080/pastebin/api/create_user_post

POST /users/ Create User

Parameters

No parameters

Request body

application/json

```
{
  "username": "practical",
  "password": "test"
}
```

Execute Clear

Responses

Curl

```
curl -X 'POST' \
  http://127.0.0.1:8080/pastebin/api/users/ \
  -H 'accept: application/json' \
  -H 'Content-Type: application/json' \
  -d '{
    "username": "practical",
    "password": "test"
  }'
```

Request URL

http://127.0.0.1:8080/pastebin/api/users/

Server Response

Code Details

200

Response body

```
{
  "id": 1,
  "username": "practical",
  "password": "test"
}
```
























Response Headers

GET /users/{사용자명}/pastes

127.0.0.1:8080/pastebin/api/users/woojk/pastes/

```
[
  {
    title: "제목",
    content: "내용",
    id: 1
  },
  {
    title: "test",
    content: "ssss",
    id: 3
  },
  {
    title: "string123",
    content: "string33",
    id: 4
  },
  {
    title: "last",
    content: "last1",
    id: 6
  }
]
```

도커 컨테이너 상태

Containers Give Feedback 							
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more							
Showing 5 items				<input type="text" value="Search"/>		⋮	
<input type="checkbox"/>		NAME	IMAGE	STATUS	PORT(S)	STARTED	ACTIONS
<input type="checkbox"/>		pastebindb ac3fd87ffde7 	mariadb:latest	Running	3306	3 hours ago	  
<input type="checkbox"/>		comnet-nginx2 84f0df77be66 	nginx:latest	Exited	8888		  
<input type="checkbox"/>		comnet-nginx 2c72b2e73e43 	nginx:latest	Exited (137)	8080		  
<input type="checkbox"/>		repo cb9840141218 	alpine/git:latest	Exited	-		  
<input type="checkbox"/>		mynginx 91788c6a0c65 	nginx:latest	Running	8080	18 minutes ag	