

25강_node 웹서버 구현

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25-1 : Express를 이용한 웹서버 구현

Ex : PjtCreateServer

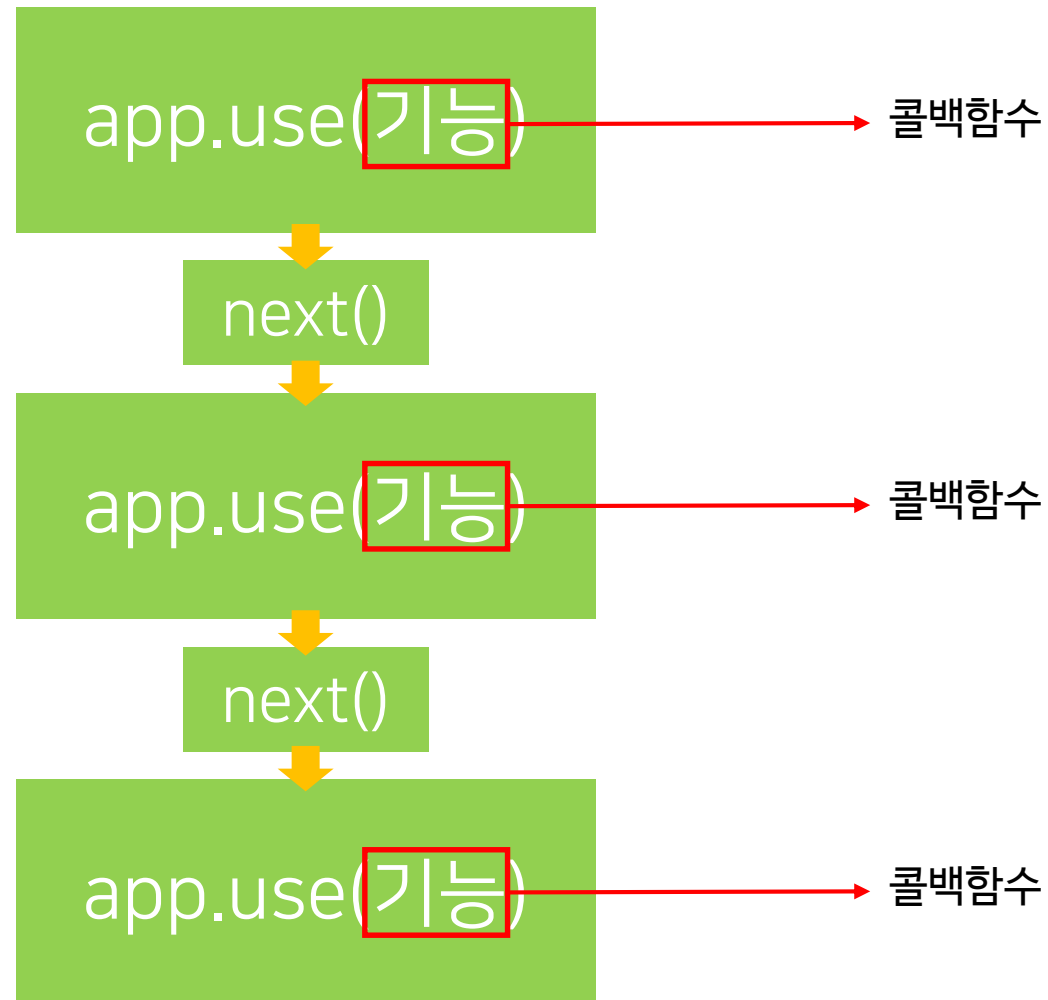
The image illustrates the steps to create an Express.js project in Eclipse:

- Eclipse IDE:** The 'File' menu is open, and 'New' > 'Node.js Express Project' is selected.
- New Express Project Dialog:** The dialog box shows the project name 'PjtCreateServer' and the location 'C:\node\pjt\pjtCreateServer'. The 'Use default location' checkbox is checked. The 'Template Engine' is set to 'Jade', and the 'Stylesheet Engine' is set to 'CSS'.
- Project Explorer:** The project structure is shown, including folders for 'public', 'routes', 'views', and files for 'app.js', 'package.json', and 'README.md'.
- Browser:** A browser window displays the Express.js 'Welcome to Express' page at the URL '127.0.0.1:3000'.

25-2 : 미들웨어

Ex : PjtCreateServer > app_mid.js

미들웨어 : Client의 요청에 대해서 동작되는 서버의 기능을 함수로 만들어 놓은것으로 use()를 이용해서 등록

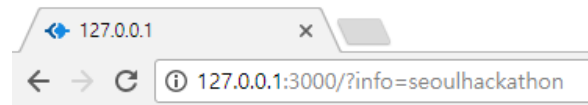


25-3 : 요청 파라미터

Ex : PjtCreateServer > app_mid_param.js

req.param(파라미터)

```
app_mid_param.js
1 var express = require("express");
2 var http = require("http");
3 var path = require("path");
4
5 var app = express();
6
7 app.use(function(req, res, next){
8   console.log("use middleware");
9
10  var paramInfo = req.param("info");
11
12  res.writeHead("200", {"Content-Type":"text/html;charset=utf8"});
13  res.write("paramInfo : " + paramInfo);
14  res.end();
15 });
16
17 http.createServer(app).listen(3000, function(){
18   console.log("server start!!");
19 });
```



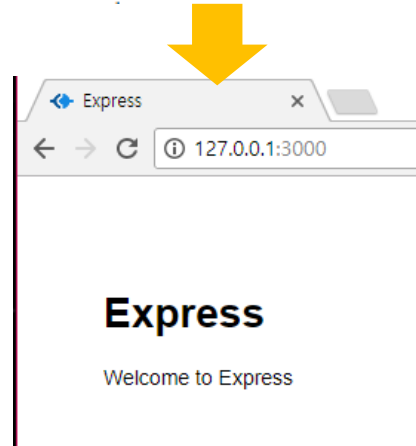
paramInfo : seoulhackathon

25-4 : 라우터

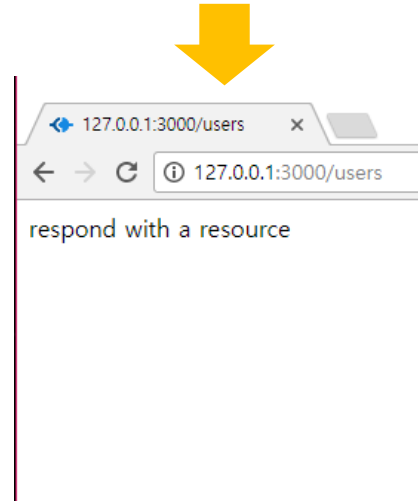
Ex : PjtCreateServer > app.js

라우터 : 서버의 각각 함수에 Client의 다양한 요청을 전달하는 기능

```
app.get('/', routes.index);
```



```
app.get('/users', user.list);
```



25-4 : 라우터

Ex : PjtCreateServer > app_router_get.js
PjtCreateServer > app_router_post.js

Client의 GET방식 요청

```
<form method="get" action="/login">
```



```
app.get("/login", function(req, res){
```

Client의 POST방식 요청

```
<form method="post" action="/login">
```



```
app.post("/login", function(req, res){
```