

# 2022 퍼블리셔 부트캠프 014

- nodemon, body-parser // route

## !Tips & Links

- ※ 강의 <https://www.udemy.com/course/the-complete-web-development-bootcamp/>
- ※ Express <https://expressjs.com/> lang="ko" <https://expressjs.com/ko/>
- 메소드 <https://expressjs.com/en/guide/routing.html> res.send() res.sendFile() req.use()

Set up a new set-up	1. mkdir new folder 2. touch new main file.js 3. set up npm (init) 4. atom . 5. start atom main file.js	- main file.js - 6. set up express (install) 7. require express, const app 8. app.listen(3000, function(){ message }) 9. app.get('/', function(res, req){ res.send('Hello, world!') })
	10. nodemon main file.js	

### nodemon

NPM package, auto start server (and restart server when it notice changes)  
npm install -g nodemon (됐음)안되면 sudo npm install -g nodemon

#### nodemon 메인파일

<< monitoring changes & restart

### body-parser

NPM package, form post읽고 extended // req.body : (object)

/index.html 연결	__dirname: constant that to set current file location(at any given, like server) res.send(): sending individual HTML data res.sendFile(): 파일째 보냄, res.sendFile(__dirname + "/index.html")
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body-parser 설정	(npm install body-parser), const bodyParser=require('body-parser'); app.use(bodyParser.urlencoded({extended: true})); << extended 설정 app.post('/', function(req, res){ req.body }) << request에 post정보 읽기
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## 예제: BMI Calculator with route

```
action="/bmicalculator" << action 주소 채기기
app.get('/bmicalculator', function(req, res){
  res.sendFile(__dirname + '~~.html')
});
app.post('/bmicalculator', function(req, res){
  let w=parseFloat(req.body.weight);
  let h=parseFloat(req.body.height);
  let result=(w / (h*h)).toFixed(1);
  res.send('bmi = '+result)
});
```

※ route주소 정확하게( action == get == post )  
페이지 보낼 곳 = 정보 받을 곳 = 정보 보낼 곳

get:	res.sendFile() __dirname 사용	post:	req.body() res.send()
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※ parseFloat( 170cm ) → 170

parseFloat(첫번째 숫자를 실수로 변환)

[https://www.w3schools.com/JSREF/jsref\\_parsefloat.asp](https://www.w3schools.com/JSREF/jsref_parsefloat.asp)

```
/* -----<lang: en>----- */
/: home route(rut트 또는 라우트), /about: about route, /contact: contact route
server is running on port 3000 // 'index.html' <- relative file path
100: stand by / 200: success / 300: security block / 400: client error / 500: server error
web application: web + processing in back-end(server-side)
```