Back-End Development

Exploring #6 Express Middleware



Middleware

Middleware essentially is code that works between request & response. First, we'll use express built-in middleware to serve a static file, for instance a txt file.

- First, create a project directory then
 - \$ npm init
- Installation
 - \$ npm install express --save



Middleware (Serving a static file)

Middleware essentially is code that works between request & response. In this section, we'll use express built-in middleware to serve a static file, for instance a txt file.

teks.txt //save on dir assets!

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satu.js

app.listen(3000);

Middleware (Serving a static file)

```
var express = require('express');
var app = express();
app.set('view engine', 'ejs');
app.use('/assets',
express.static('assets'));
// '/assets' = it's an express route
// 'assets' = it's a ref dir/folder
app.get('/satu', function(req, res){
    res.render('satu');
})
```

http://localhost:3000/assets/teks.txt









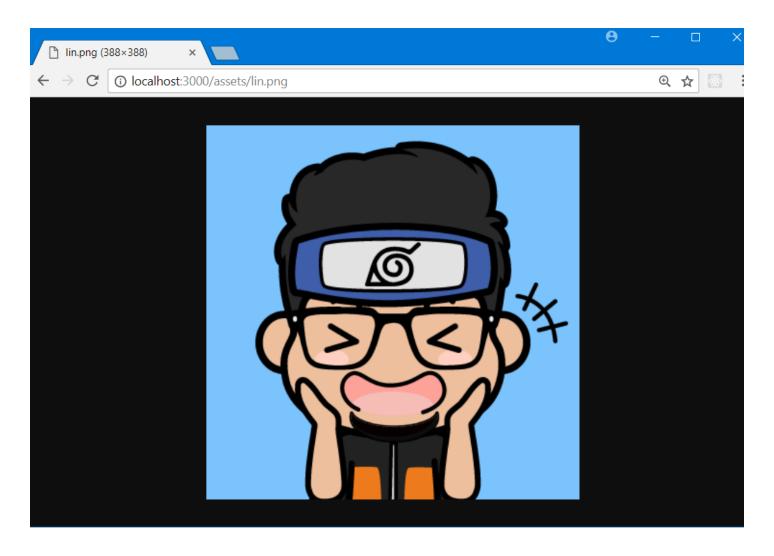
← → C ① localhost:3000/lintang/teks.txt



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http://localhost:3000/assets/lin.png





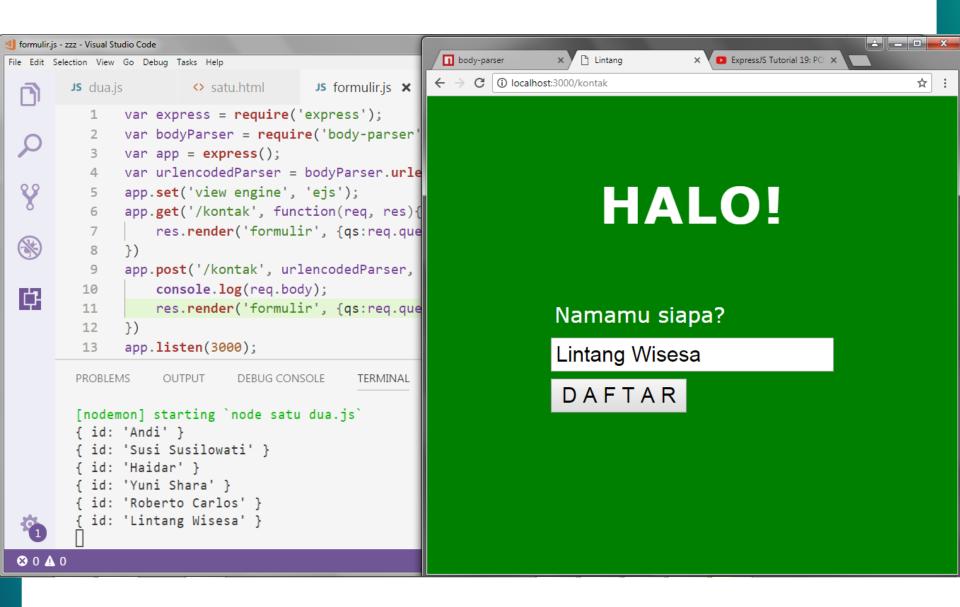
body-parser

Node.js body parsing middleware. Parse incoming request bodies in a middleware before your handlers, available under the *req.body* property. This module provides the following parsers: JSON body parser, raw body parser, text body parser & URL-encoded form body parser.

Installation

npm install body-parser --save





POST to server

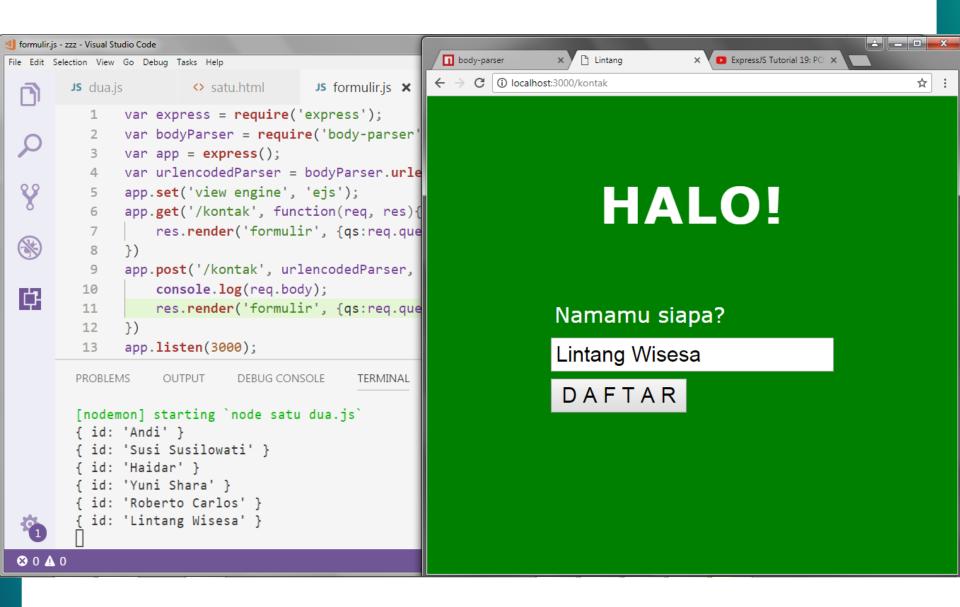
formulir.js

```
var express = require('express');
    bodyParser = require('body-parser')
var app = express();
var url = bodyParser.urlencoded({ extended: false })
app.set('view engine', 'ejs');
app.get('/kontak', function(req, res){
      res.render('formulir');
})
app.post('/kontak', url, function(req, res){
      console.log(req.body);
      res.render('formulir');
})
app.listen(3000);
```

POST to server

formulir.ejs

```
<body>
<h2>Halo!</h2>
<form id="daftar" method="POST" action="/kontak">
<label for="id">Namamu siapa?</label>
<input type="text" name="id" value=""/>
<input type="submit" value=" D A F T A R "/>
</form>
</body>
```







POST to server & Response to client

formulir.ejs

```
<body>
<h2>Halo!</h2>
<form id="daftar" method="POST" action="/kontak">
<label for="id">Namamu siapa?</label>
<input type="text" name="id" value=""/>
<input type="submit" value=" D A F T A R "/>
</form>
</body>
```

POST to server & Response to client

form_OK.ejs

```
<body>
<h2>Halo <%= data.id %> !</h2>
 <%= data.id %> sudah terdaftar.
</body>
```



formulir.js

POST to server & Response to client

```
var express = require('express');
var bodyParser = require('body-parser')
var app = express();
var url = bodyParser.urlencoded({ extended: false })
app.set('view engine', 'ejs');
app.get('/kontak', function(req, res){
      res.render('formulir');
})
app.post('/kontak', url, function(req, res){
     console.log(req.body);
     res.render('form_OK', {data:req.body});
})
app.listen(3000);
```





Back-End Development

Exploring #6 Express Module

