

LAPORAN PRAKTIKUM  
PEMROGRAMAN BERBASIS FRAMEWORK

Pertemuan Minggu-1



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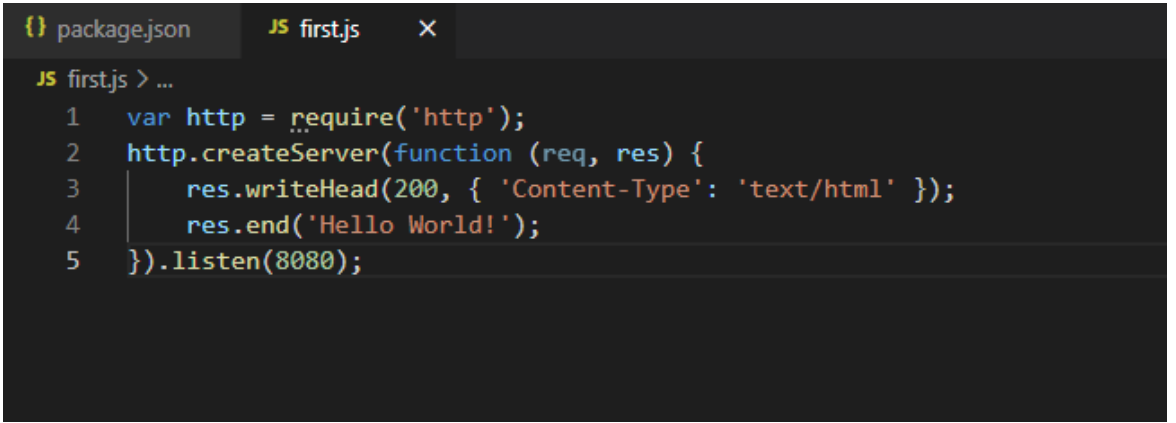
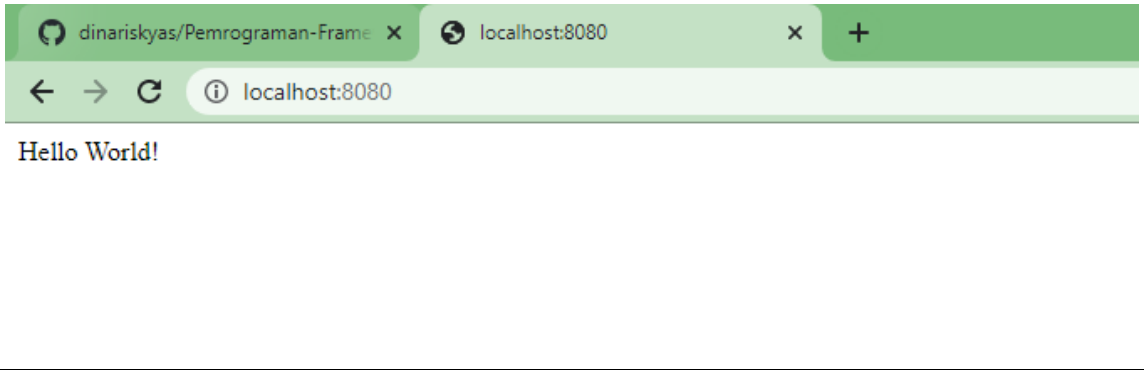
PROGRAM STUDI TEKNIK INFORMATIKA  
JURUSAN TEKNOLOGI INFORMASI  
POLITEKNIK NEGERI MALANG

2021

Langkah	Keterangan
1	<p>Install beberapa yang diperlukan</p> <ul style="list-style-type: none"> <li>• Node js <a href="https://nodejs.org/en/">https://nodejs.org/en/</a></li> <li>• Git for windows <a href="https://git-scm.com/download/win">https://git-scm.com/download/win</a></li> <li>• VsCode <a href="https://code.visualstudio.com/">https://code.visualstudio.com/</a> <ul style="list-style-type: none"> <li>• Extention yg diinstall <ul style="list-style-type: none"> <li>• ES7 React/Redux/GraphQL/React-Native snippets</li> <li>• ESLINT</li> <li>• Prettier</li> </ul> </li> <li>• Postman <a href="https://www.postman.com/downloads/">https://www.postman.com/downloads/</a></li> <li>• Browser Chrome <ul style="list-style-type: none"> <li>• Extentions <ul style="list-style-type: none"> <li>• React Devtools</li> <li>• Redux DevTools</li> </ul> </li> </ul> </li> </ul> </li> </ul>
2	Sebelum melakukan install react buat sebuah folder terlebih dahulu “Percobaan_Pertama”
3	Kemudian install react
	<ul style="list-style-type: none"> <li>• <i>npm install -g create-react-app</i></li> </ul> <pre>PS C:\Users\ASUS\Percobaan_Pertama&gt; npm install -g create-react-app C:\Users\ASUS\AppData\Roaming\npm\create-react-app -&gt; C:\Users\ASUS\AppData\Roaming\npm\node_modules\create-react-app\index.js + create-react-app@4.0.2</pre>
	<ul style="list-style-type: none"> <li>• <i>Cek version npm dan node</i></li> </ul> <pre>PS C:\Users\ASUS\Percobaan_Pertama&gt; node -v v14.15.4 PS C:\Users\ASUS\Percobaan_Pertama&gt; npm -v 6.14.10</pre>
4	Membuat package json dengan melakukan pengisian dari beberapa komponen yang dibutuhkan dengan syntax “ <i>npm init</i> ”

	<pre> PS C:\Users\ASUS\Percobaan_Pertama&gt; npm init This utility will walk you through creating a package.json file. It only covers the most common items, and tries to guess sensible defaults.  See `npm help init` for definitive documentation on these fields and exactly what they do.  Use `npm install &lt;pkg&gt;` afterwards to install a package and save it as a dependency in the package.json file.  Press ^C at any time to quit. package name: (percobaan_pertama) version: (1.0.0) git repository: (https://github.com/dinariskyas/Pemrograman-Framework.git) keywords: author: license: (ISC) About to write to C:\Users\ASUS\Percobaan_Pertama\package.json:  {   "name": "percobaan_pertama",   "version": "1.0.0",   "description": "Dina Risky Alin Saputri - 1841720016",   "main": "index.js",   "scripts": {     "test": "echo \"Error: no test specified\" &amp;&amp; exit 1"   },   "author": "",   "license": "ISC",   "dependencies": {     "create-react-app": "^4.0.2",     "react": "^17.0.1"   },   "devDependencies": {},   "repository": {     "type": "git",     "url": "git+https://github.com/dinariskyas/Pemrograman-Framework.git"   },   "bugs": {     "url": "https://github.com/dinariskyas/Pemrograman-Framework/issues"   },   "homepage": "https://github.com/dinariskyas/Pemrograman-Framework#readme" }  Is this OK? (yes) PS C:\Users\ASUS\Percobaan_Pertama&gt; </pre>
5	<p>Lakukan pengecekan dengan syntax <code>"ls"</code> apakah package.json berhasil dibuat apa belum</p>
	<pre> PS C:\Users\ASUS\Percobaan_Pertama&gt; ls  Directory: C:\Users\ASUS\Percobaan_Pertama  Mode                LastWriteTime         Length Name ----                - d-----          2/9/2021  10:25 AM             node_modules -a-----          2/9/2021  10:25 AM        20686 package-lock.json -a-----          2/9/2021  10:36 AM         639 package.json -a-----          2/9/2021   9:47 AM          68 README.md  PS C:\Users\ASUS\Percobaan_Pertama&gt; </pre>

6	Tambahkan library project dengan menggunakan syntax “ <i>npm add jquery</i> ”
	<pre> PS C:\Users\ASUS\Percobaan_Pertama&gt; npm add jquery + jquery@3.5.1 updated 1 package and audited 72 packages in 1.433s  4 packages are looking for funding   run `npm fund` for details  found 0 vulnerabilities  PS C:\Users\ASUS\Percobaan_Pertama&gt; </pre>
7	Tambahkan react
	<pre> PS C:\Users\ASUS\Percobaan_Pertama&gt; npm add react + react@17.0.1 updated 1 package and audited 72 packages in 1.649s  4 packages are looking for funding   run `npm fund` for details  found 0 vulnerabilities  PS C:\Users\ASUS\Percobaan_Pertama&gt; </pre>
8	Lakukan pengecekan isi package json
	<pre> () package.json X () package.json &gt; license 1  { 2    "name": "percobaan_pertama", 3    "version": "1.0.0", 4    "description": "Dina Risky Alin Saputri - 1841720016", 5    "main": "index.js", 6    "scripts": { 7      "test": "echo \"Error: no test specified\" &amp;&amp; exit 1" 8    }, 9    "author": "", 10   "license": "ISC", 11   "dependencies": { 12     "create-react-app": "^4.0.2", 13     "jquery": "^3.5.1", 14     "react": "^17.0.1" 15   }, 16   "devDependencies": {}, 17   "repository": { 18     "type": "git", 19     "url": "git+https://github.com/dinariskyas/Pemrograman-Framework.git" 20   }, 21   "bugs": { 22     "url": "https://github.com/dinariskyas/Pemrograman-Framework/issues" 23   }, 24   "homepage": "https://github.com/dinariskyas/Pemrograman-Framework#readme" </pre>
9	Hapus library package json dengan syntax “ <i>npm remove jquery</i> ”

	<pre> PS C:\Users\ASUS\Percobaan_Pertama&gt; npm remove jquery removed 1 package and audited 71 packages in 1.192s  4 packages are looking for funding   run `npm fund` for details  found 0 vulnerabilities  PS C:\Users\ASUS\Percobaan_Pertama&gt; </pre>
10	Menambahkan first.js
	 <pre> {} package.json  JS first.js  X JS first.js &gt; ... 1  var http = require('http'); 2  http.createServer(function (req, res) { 3    res.writeHead(200, { 'Content-Type': 'text/html' }); 4    res.end('Hello World!'); 5  }).listen(8080); </pre>
11	Jalankan dengan syntax “ <i>node first.js</i> ”
12	Kemudian cek ke browser
	
13	Kemudian push ke github

	<pre>Create mode 100644 node_modules/xtend/test.js PS C:\Users\ASUS\Percobaan_Pertama&gt; git push Enumerating objects: 818, done. Counting objects: 100% (818/818), done. Delta compression using up to 4 threads Compressing objects: 100% (770/770), done. Writing objects: 100% (813/813), 888.78 KiB   2.96 MiB/s, done. Total 813 (delta 161), reused 0 (delta 0), pack-reused 0 remote: Resolving deltas: 100% (161/161), done. To https://github.com/dinariskyas/Pemrograman-Framework.git    69feb56..e932ee2  master -&gt; master PS C:\Users\ASUS\Percobaan_Pertama&gt; █</pre>
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Link github : <https://github.com/dinariskyas/Pemrograman-Framework>