

## Beginner Golang

### ACTIVITY 5

(Polymer Starter Kit)

## Format save: **Pert5\_Act1\_nama\_npm.docx**

1. Jelaskan instalasi Polymer versi 2.0 dengan menggunakan bower (Poin : 30)
2. Jelaskan instalasi Polymer Starter kit dengan menggunakan Polymer versi 2.0 (Poin : 30)
3. Jalankan dan integrasikan Polymer Starter kit dengan Golang (Poin : 40)

### Jawaban

1. Pertama Install Node.js terlebih dahulu

Setelah Node.js sudah terinstall selanjutnya Install Bower.

```
npm install -g bower
```

selanjutnya buat folder bernama bowerpolymer atau bebas

Setelah Install Polymer 2.0 rilis terbaru dari bower di direktori file yang telah dibuat

```
bower install Polymer/polymer#^2.0.0
```

```
Microsoft Windows [Version 10.0.15063]
(c) 2017 Microsoft Corporation. All rights reserved.

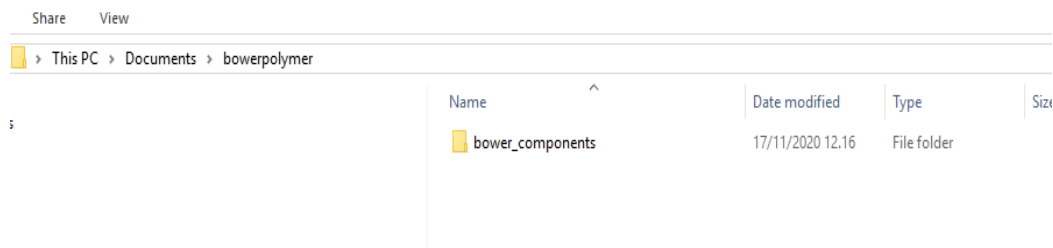
C:\Users\Didin>cd documents
C:\Users\Didin\Documents>cd bowerpolymer
C:\Users\Didin\Documents\bowerpolymer>bower install Polymer/polymer#^2.0.0
bower polymer#2.0.0 not-cached https://github.com/Polymer/polymer.git#2.0.0
bower polymer#2.0.0 resolve https://github.com/Polymer/polymer.git#2.0.0
bower polymer#2.0.0 download https://github.com/Polymer/polymer/archive/v2.0.0.tar.gz
bower polymer#2.0.0 extract archive.tar.gz
bower polymer#2.0.0 resolved https://github.com/Polymer/polymer.git#2.0.0
bower shadycss#1.9.1 not-cached https://github.com/webcomponents/shadycss.git#1.9.1
bower shadycss#1.9.1 resolve https://github.com/webcomponents/shadycss.git#1.9.1
bower webcomponentsjs#1.0.0 not-cached https://github.com/Polymer/webcomponentsjs.git#1.0.0
bower webcomponentsjs#1.0.0 resolve https://github.com/Polymer/webcomponentsjs.git#1.0.0
bower shadycss#1.0.0 download https://github.com/webcomponents/shadycss/archive/v1.0.1.tar.gz
bower webcomponentsjs#1.0.0 download https://github.com/Polymer/webcomponentsjs/archive/v1.3.3.tar.gz
bower shadycss#1.0.0 extract archive.tar.gz
bower shadycss#1.0.0 resolved https://github.com/webcomponents/shadycss.git#1.9.1
bower webcomponentsjs#1.0.0 extract archive.tar.gz
bower webcomponentsjs#1.0.0 resolved https://github.com/Polymer/webcomponentsjs.git#1.3.3
bower polymer#2.0.0 install polymer#2.0.0
bower shadycss#1.0.0 install shadycss#1.9.1
bower webcomponentsjs#1.0.0 install webcomponentsjs#1.3.3

polymer#2.0.0 bower_components\polymer
├── shadycss#1.9.1
└── webcomponentsjs#1.3.3

shadycss#1.9.1 bower_components\shadycss
webcomponentsjs#1.3.3 bower_components\webcomponentsjs
```

```
Update available 1.8.4 → 1.8.8
Run npm i -g bower to update
```

Setelah di install folder bowerpolymer akan tergenerate folder baru yang bernama bower\_components

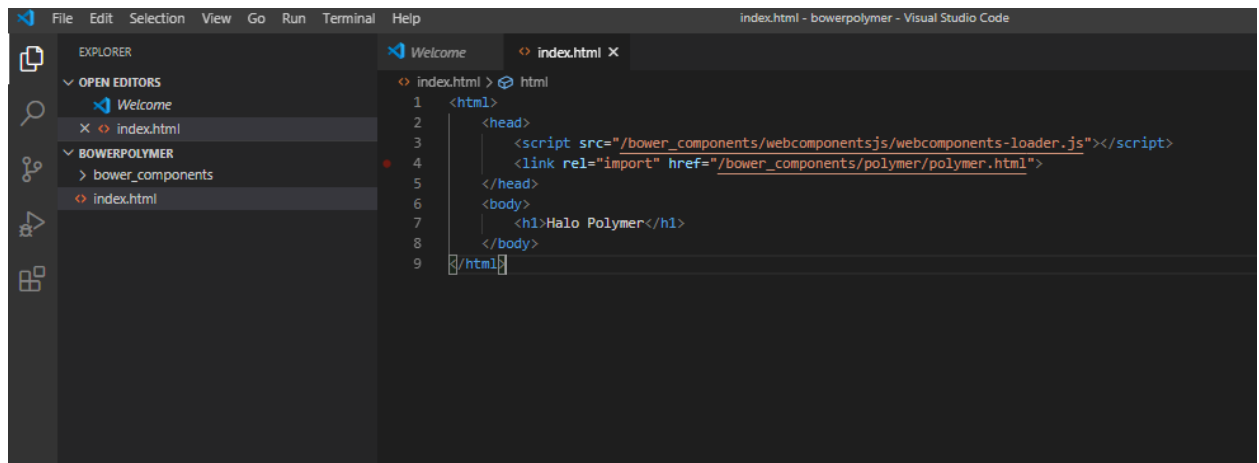


Membuat file `index.html` ,dan tambahkan `<head>` tag:

`<script src="/bower_components/webcomponentsjs/webcomponents-loader.js"></script>` untuk menjalankan polyfills

`<link rel="import" href="/bower_components/polymer/polymer.html">` untuk import Polymer

Impor dan gunakan elemen mana pun yang Anda inginkan.

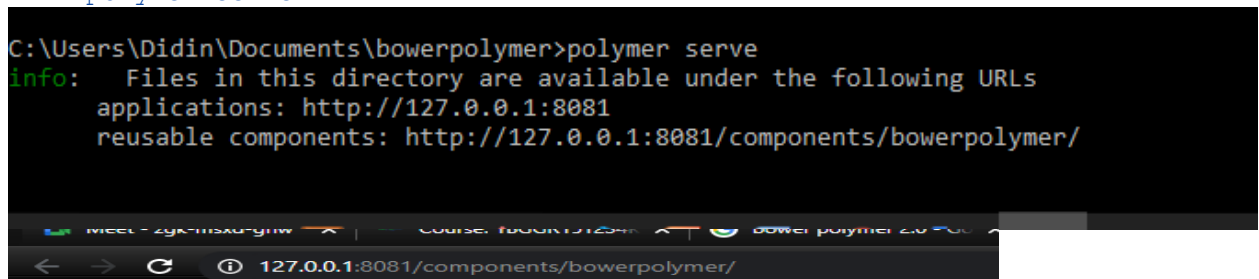


Selanjutnya install Polymer cli

```
npm install -g polymer-cli
```

Jalankan Projectnya.

```
polymer serve
```



**Halo Polymer**

## 2. Pertama install Polymer cli terlebih dahulu

















```
npm install -g polymer-cli
```

### Kedua Jalankan Perintah di Command prompt

```
mkdir polymerstaterkit  
cd polymerstaterkit  
polymer init polymer-2-starter-kit
```

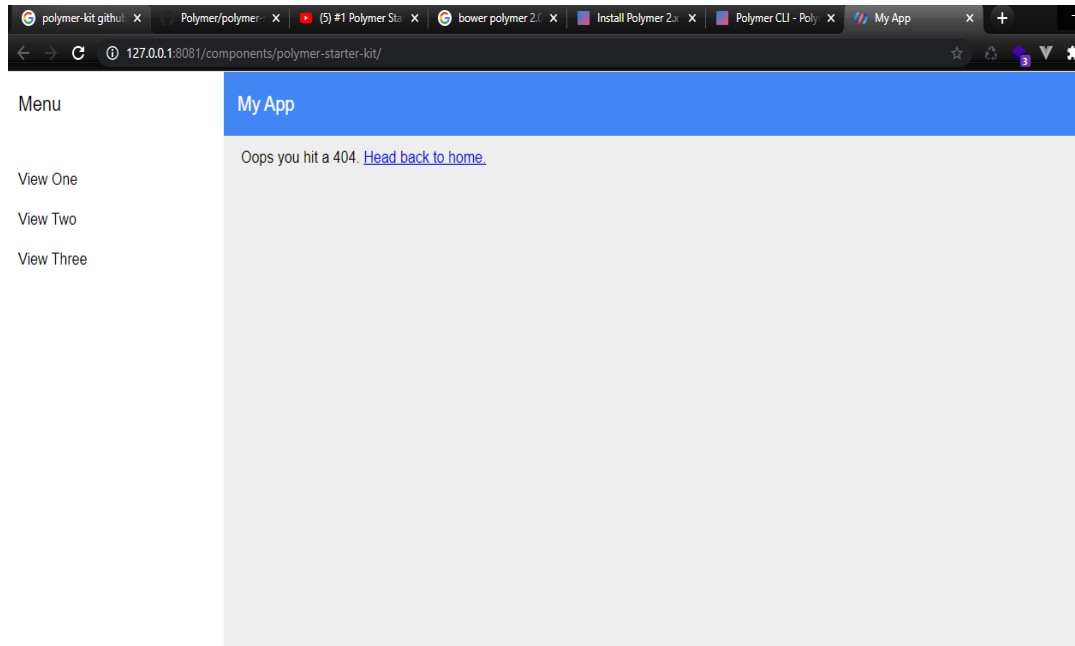
Maka folder polymerstaterkit memiliki direktori file seperti dibawah ini

```
C:\Users\Didin\Documents\polymerstaterkit>polymer serve  
info: Files in this directory are available under the following URLs  
applications: http://127.0.0.1:8081  
reusable components: http://127.0.0.1:8081/components/polymer-starter-kit/
```

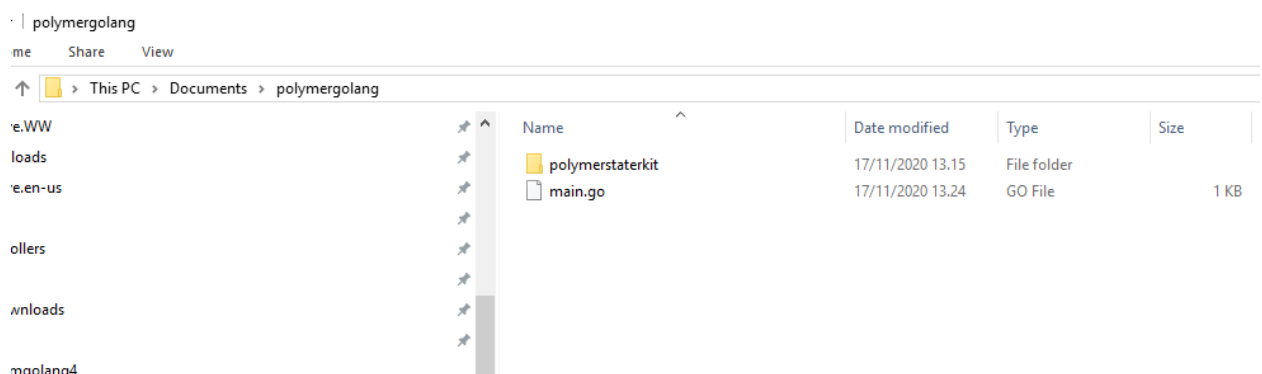
Name	Date modified	Type	Size
 bower_components	17/11/2020 13.00	File folder	
 images	17/11/2020 12.59	File folder	
 node_modules	17/11/2020 13.00	File folder	
 src	17/11/2020 12.59	File folder	
 test	17/11/2020 12.59	File folder	
 .eslintrc.json	16/02/2018 01.44	JSON File	1 KB
 .gitignore	16/02/2018 01.44	Text Document	1 KB
 bower.json	16/02/2018 01.44	JSON File	1 KB
 index.html	16/02/2018 01.44	Chrome HTML Do...	5 KB
 manifest.json	16/02/2018 01.44	JSON File	1 KB
 package.json	16/02/2018 01.44	JSON File	1 KB
 package-lock.json	17/11/2020 13.00	JSON File	44 KB
 polymer.json	16/02/2018 01.44	JSON File	1 KB
 README.md	16/02/2018 01.44	MD File	5 KB
 service-worker.js	16/02/2018 01.44	JS File	1 KB
 sw-precache-config.js	16/02/2018 01.44	JS File	1 KB

### Ketiga Jalankan Perintah di Command prompt

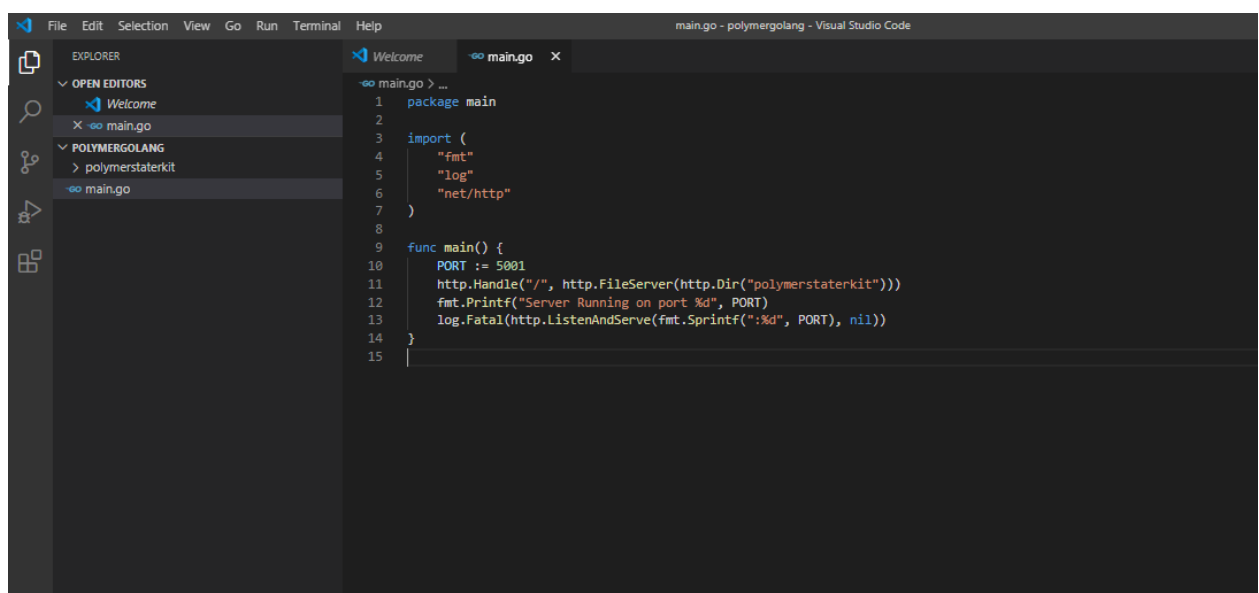
```
Polymer serve
```



3. Karena sudah menginstall polymer staterkit pertama yang dilakukan yaitu membuat folder baru yang bernama polymergolang dan mengcopy folder polymerstaterkit ke dalam folder polymergolang



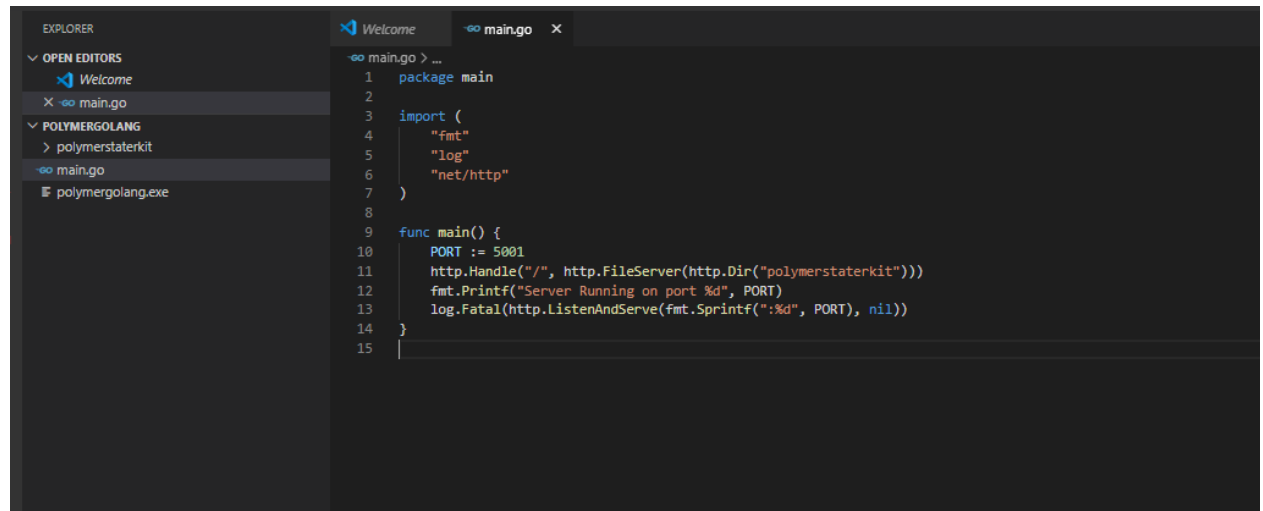
Selanjutnya buat file main.go lalu tuliskan code seperti ini



Untuk parameter pada fungsi `http.Dir()` sesuaikan dengan nama folder hasil ekstraksi. Jika nama folder `polymerstaterkit`, maka parameter pada `http.Dir()` adalah “`polymerstaterkit`”.

Setelah itu, jalankan perintah `go clean && go build`. Perintah `go clean` untuk membersihkan seluruh file hasil kompilasi sedangkan `go build` untuk mengcompile.

```
C:\Users\Didin\Documents\polymergolang>go clean && go build  
C:\Users\Didin\Documents\polymergolang>
```



Maka akan tercetak `polymergolang.exe`

Lalu ketik di command prompt seperti dibawah ini

```
C:\Users\Didin\Documents\polymergolang>polymergolang.exe  
Server Running on port 5001  
C:\Users\Didin\Documents\polymergolang>polymergolang.exe  
Server Running on port 5001
```

Jika ada popup firewall blocked maka tekan tombol allow access

Selanjutnya masukan link `localhost:5001` karena saya setting portnya 5001 di `main.go` maka akan muncul seperti ini

