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## BEGINNER GOLANG

### ACTIVITY 5

(Polymer Starter Kit)

1. Jelaskan instalasi Polymer Versi 2.0 dengan menggunakan bower (Poin : 30)

Jawab :

1. Cek jika node dan npm sudah terinstall. (Catatan : Saya menggunakan ZSH (Zshell))

```
degodev@Desktop ~$ node --version
v12.22.9
degodev@Desktop ~$ npm --version
8.5.1
```

2. Ketikan npm install -g bower.

```
degodev@Desktop ~$ sudo npm install -g bower
[sudo] password for degodev:
added 1 package, and audited 2 packages in 5s
found 0 vulnerabilities
```

3. Setelah bower berhasil di-install, lakukan kembali instalasi Polymer CLI.

```
degodev@Desktop ~$ sudo npm install -g polymer-cli
( [REDACTED] ) : reify:update-notifier: http fetch GET 200
added 1287 packages, and audited 1354 packages in 47s
```

#### 4. Meng-install Polymer Project untuk versi 2.0

```
degodev@Desktop ~$ bower install Polymer/polymer#^2.0.0
bower not-cached https://github.com/Polymer/polymer.git#^2.0.0
bower resolve https://github.com/Polymer/polymer.git#^2.0.0
bower download https://github.com/Polymer/polymer/archive/v2.8.0.tar.gz
bower extract polymer#^2.0.0 archive.tar.gz
bower invalid-meta for:/tmp/degodev/bower/6ac9fb6e69374501bea0bcad9749c0a7-43
bower invalid-meta The "main" field has to contain only 1 file per filetype;
```

## 2. Jelaskan instalasi Polymer Starter Kit dengan menggunakan Polymer versi 2.0 (Poin:30)

Jawab :

Mengetikkan `polymer init` untuk mengunduh template polymer yang akan digunakan.

```
degodev@Desktop ~/Projects/GoLang/University/Lepkom/Pertemuan 5$ polymer init
? Which starter template would you like to use? polymer-2-starter-kit
info: Running template polymer-2-starter-kit...
info: Finding latest ^3.0.0 release of Polymer/polymer-starter-kit

I'm all done. Running npm install && bower install for you to install the required dependencies. If this fails, try running the command yourself.
```

Ketika `polymer init` dijalankan akan keluar beberapa pilihan, pada materi ini template yang digunakan adalah **Polymer-2-starter-kit**. Setelah memilih `polymer-2-starter-kit`, terminal akan men-download file dan package ke dalam directory “Pertemuan 5”.

## 3. Jalankan dan integrasikan Polymer Starter Kit dengan Golang (Poin : 40)

Jawab :

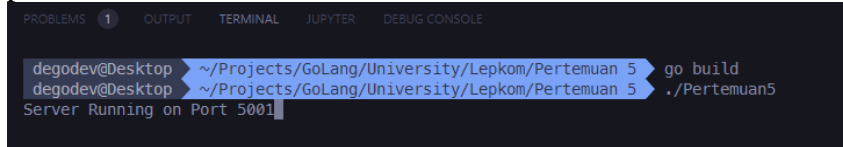
1. Buatlah file bernama “main.go” dan masukkan kode berikut

```
package main

import (
    "fmt"
    "log"
    "net/http"
)

func main() {
    PORT := 5001
    http.Handle("/", http.FileServer(http.Dir("polymer")))
    fmt.Printf("Server Running on Port %d", PORT)
    log.Fatal(http.ListenAndServe(fmt.Sprintf(":%d", PORT), nil))
}
```

2. Ketikan **go build** kemudian akan muncul file “Pertemuan5”, lalu run file tersebut dengan perintah `./Pertemuan5`



```
PROBLEMS 1 OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
degodev@Desktop ~/Projects/GoLang/University/Lepkom/Pertemuan 5 go build
degodev@Desktop ~/Projects/GoLang/University/Lepkom/Pertemuan 5 ./Pertemuan5
Server Running on Port 5001
```

3. Lalu ketikan **polymer serve**



```
PROBLEMS 1 OUTPUT TERMINAL JUPYTER DEBUG CONSOLE
degodev@Desktop ~/Projects/GoLang/University/Lepkom/Pertemuan 5 polymer serve
(node:8763) [DEP0131] DeprecationWarning: The legacy HTTP parser is deprecated.
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/
```

Kemudian akan muncul applications: <http://127.0.0.1:8081>.

4. Masukkan address <http://127.0.0.1:8081> ke dalam web browser. Akan muncul halaman sebagai berikut :

