

LATIHAN PERTEMUAN 5
PRAKTIKUM PEMOGRAMAN BERBASIS WEB
Untuk Memenuhi Praktikum Pemograman Berbasis Web



Oleh:

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Kelas : A
Semester : 4 (Genap)

Dosen :

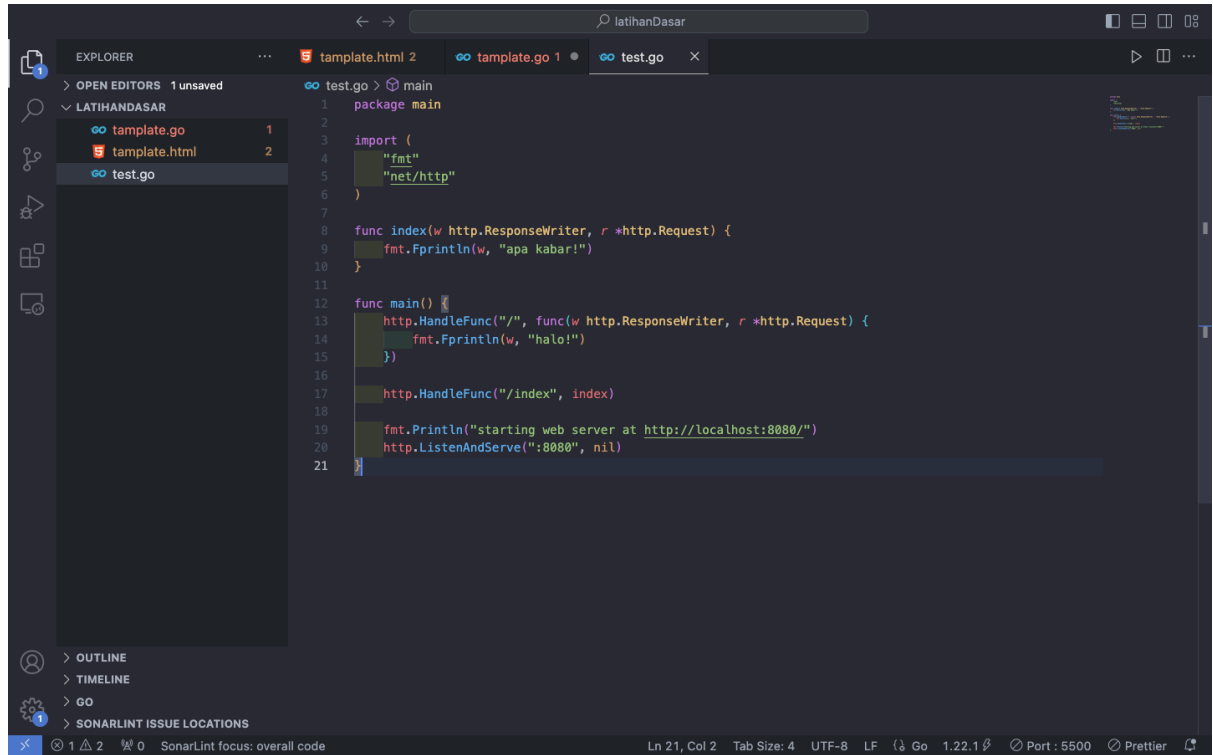
ADI WAHYU PRIBADI ,S.SI.,M.KOM
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Fakultas Teknik Universitas Pancasila
2023/2024

Link github : <https://github.com/Ghumaisa/PBW>

1. Membuat Aplikasi Web Sederhana

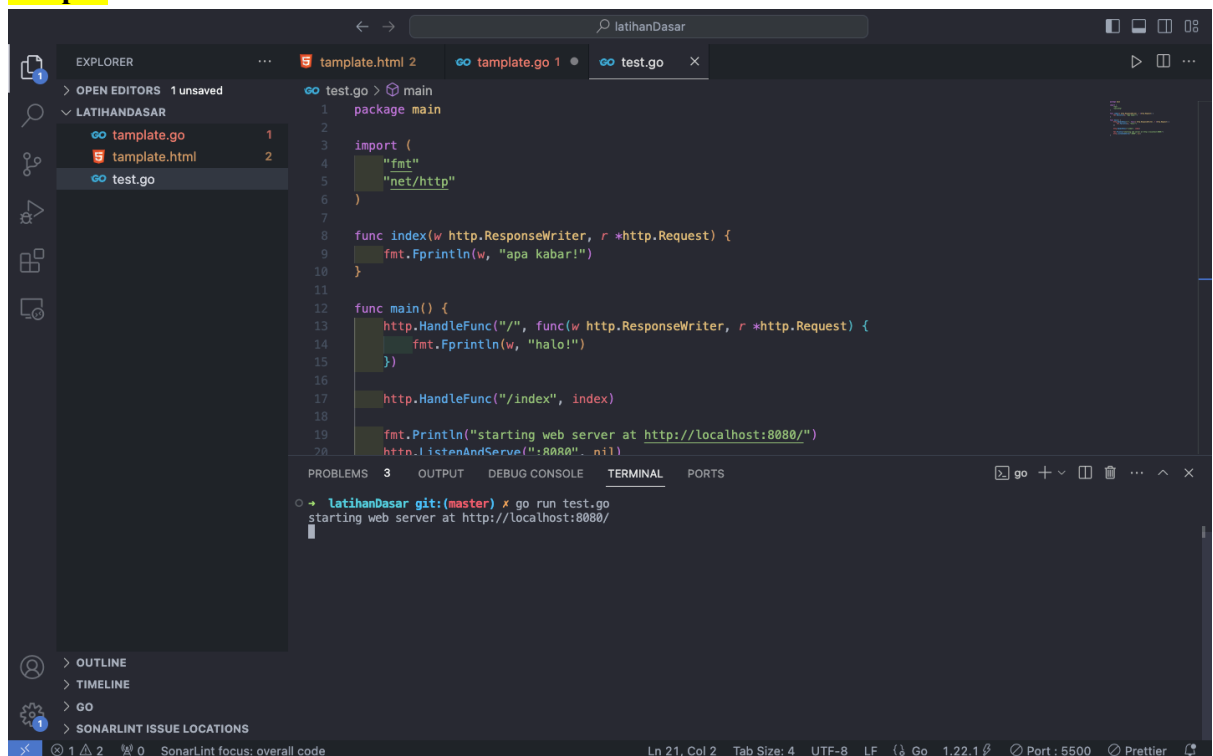
Menggunakan package net/http

Screenshot Source Code



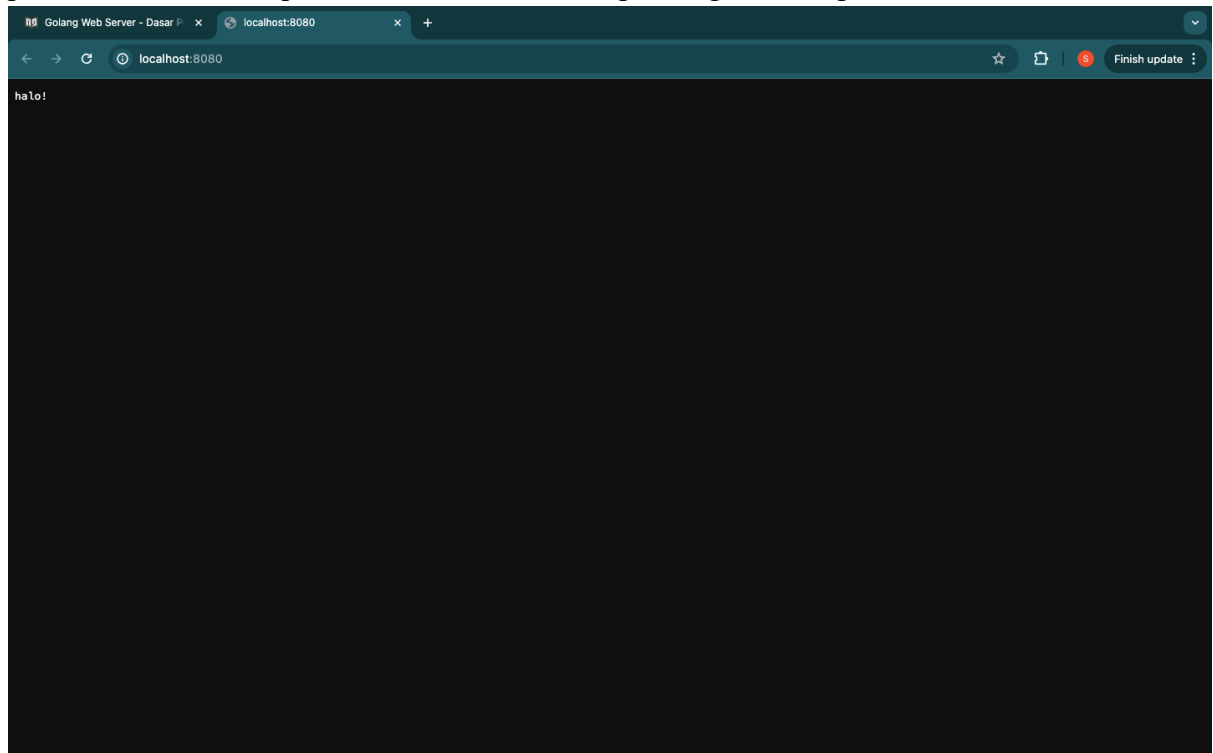
```
1 package main
2
3 import (
4     "fmt"
5     "net/http"
6 )
7
8 func index(w http.ResponseWriter, r *http.Request) {
9     fmt.Fprintln(w, "apa kabar!")
10 }
11
12 func main() {
13     http.HandleFunc("/", func(w http.ResponseWriter, r *http.Request) {
14         fmt.Fprintln(w, "halo!")
15     })
16     http.HandleFunc("/index", index)
17
18     fmt.Println("starting web server at http://localhost:8080/")
19     http.ListenAndServe(":8080", nil)
20 }
21
```

Output

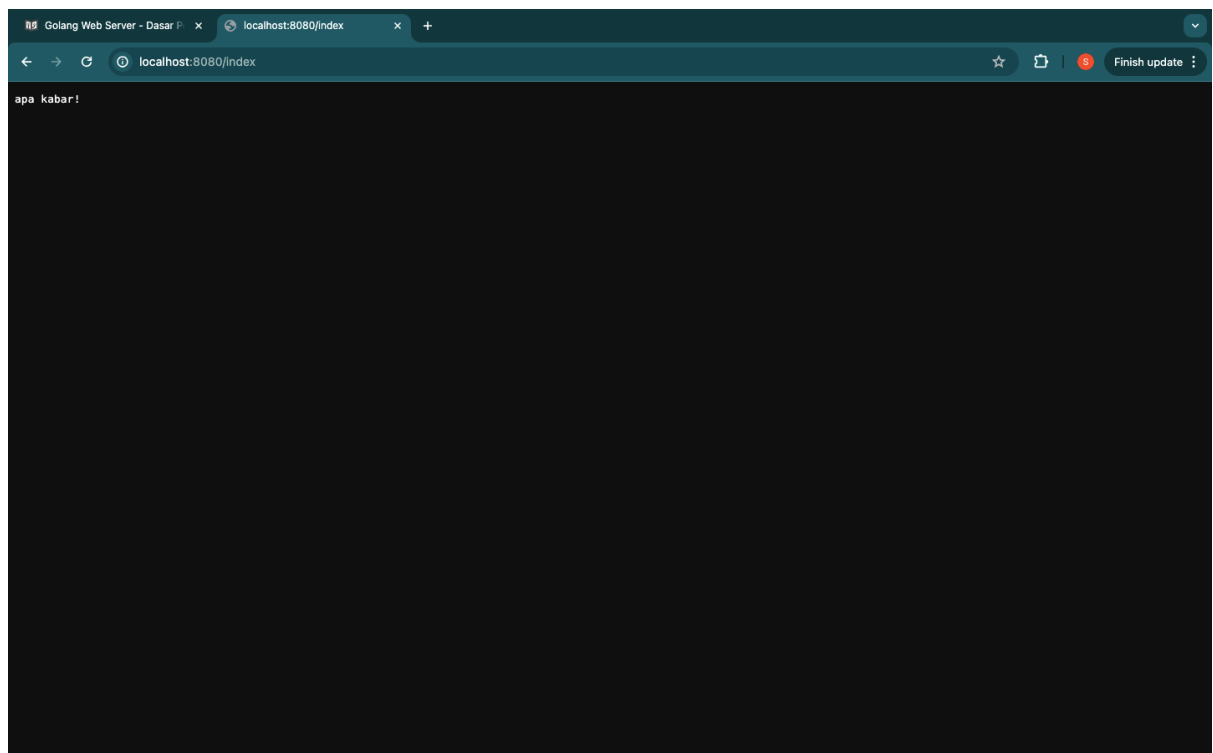


```
starting web server at http://localhost:8080/
```

pada saat buka url `http://localhost/` akan menampilkan gambar seperti dibawah.

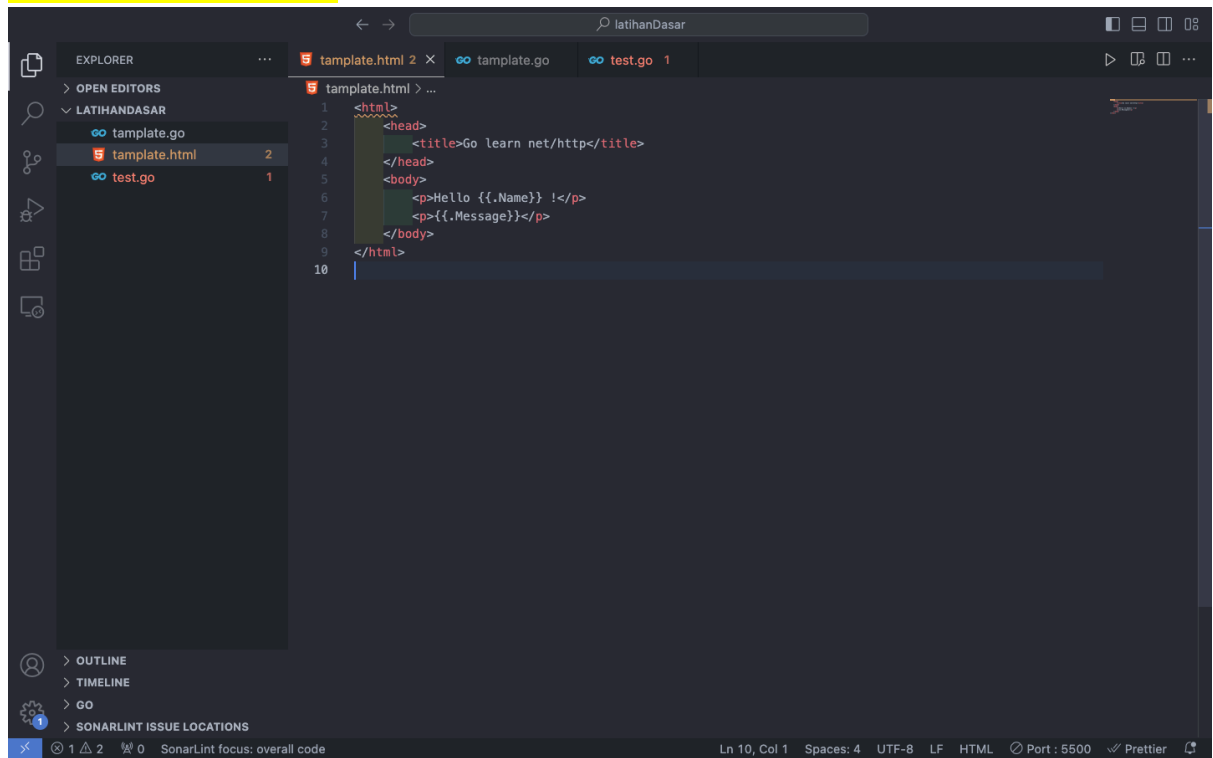


Jika menambahkan `/index` pada url localhost nya akan menampilkan text "apa kabar!"



2. Penggunaan Template Web

Screenshot Source Code



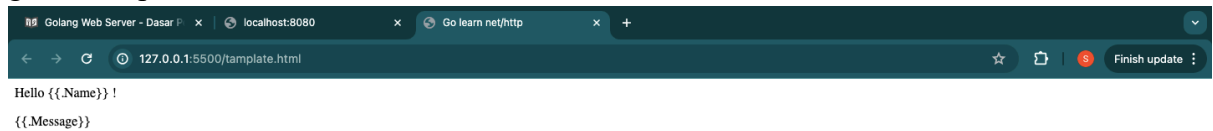
The screenshot shows the Visual Studio Code editor interface. The Explorer sidebar on the left shows a project named 'LATIHANDASAR' with files 'template.go', 'template.html', and 'test.go'. The main editor window displays the 'template.html' file with the following code:

```
1 <html>
2   <head>
3     <title>Go learn net/http</title>
4   </head>
5   <body>
6     <p>Hello {{.Name}} !</p>
7     <p>{{.Message}}</p>
8   </body>
9 </html>
10
```

The status bar at the bottom indicates the file is at 'Ln 10, Col 1', uses 'Spaces: 4', 'UTF-8' encoding, 'LF' line endings, and is an 'HTML' file. It also shows 'Port : 5500' and 'Prettier' formatting.

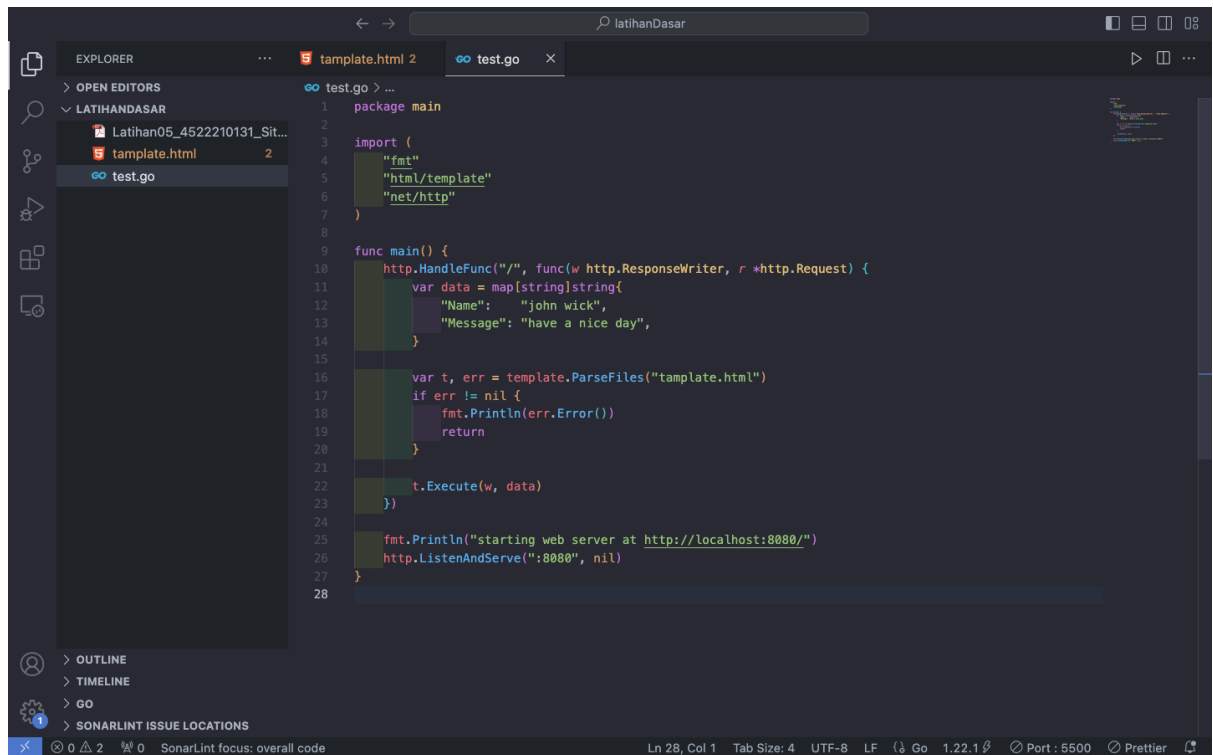
Output

Pada saat buka <http://localhost:8080/>, maka data Nama dan Message akan menampilkan gambar seperti dibawah.



3. Mengubah isi file .go dengan kode berikut.

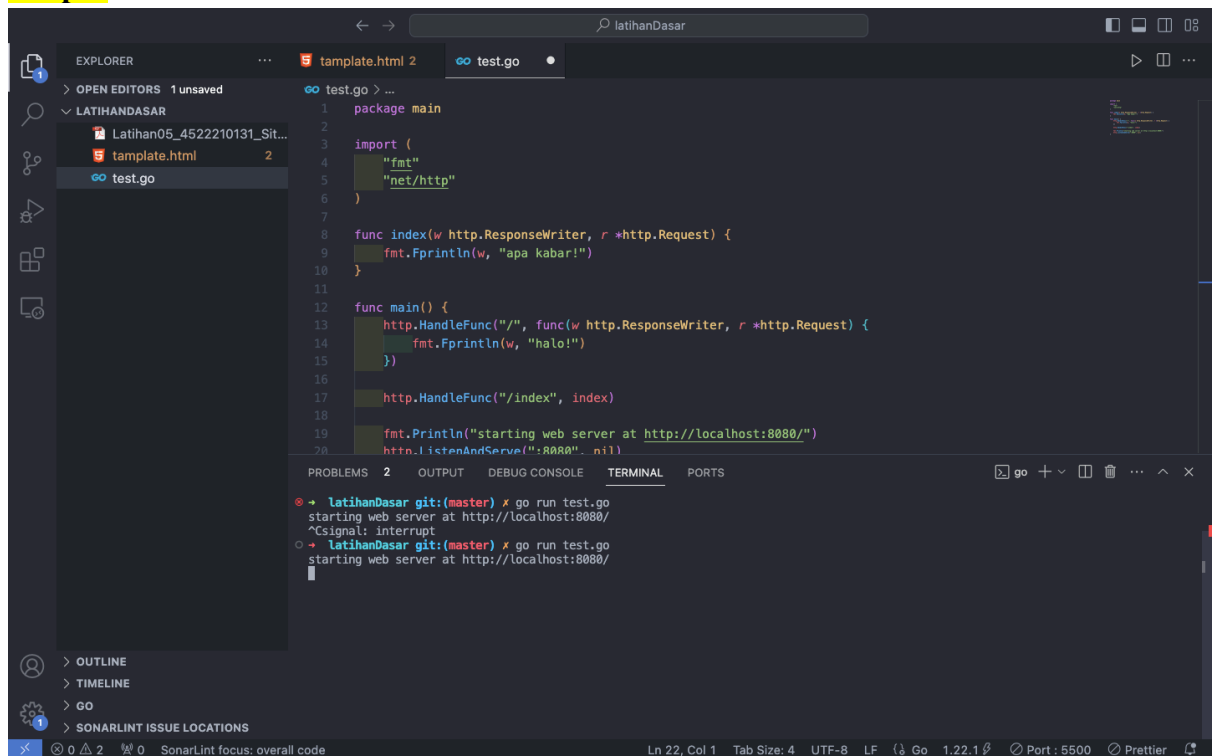
Screenshot Source Code



The screenshot shows the Visual Studio Code editor with the file explorer on the left. The file explorer shows a project named 'LATIHANDASAR' with a subdirectory 'Latihan05_4522210131_Sit...' containing 'template.html' and 'test.go'. The 'test.go' file is open in the editor. The code in 'test.go' is as follows:

```
1 package main
2
3 import (
4     "fmt"
5     "html/template"
6     "net/http"
7 )
8
9 func main() {
10     http.HandleFunc("/", func(w http.ResponseWriter, r *http.Request) {
11         var data = map[string]string{
12             "Name": "john wick",
13             "Message": "have a nice day",
14         }
15
16         var t, err = template.ParseFiles("template.html")
17         if err != nil {
18             fmt.Println(err.Error())
19             return
20         }
21
22         t.Execute(w, data)
23     })
24
25     fmt.Println("starting web server at http://localhost:8080/")
26     http.ListenAndServe(":8080", nil)
27 }
28
```

Output

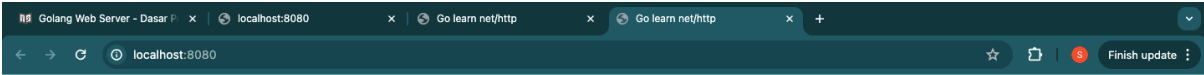


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12 func main() {
13     http.HandleFunc("/", func(w http.ResponseWriter, r *http.Request) {
14         fmt.Fprintln(w, "halo!")
15     })
16
17     http.HandleFunc("/index", index)
18
19     fmt.Println("starting web server at http://localhost:8080/")
20     http.ListenAndServe(":8080", nil)
21 }
22
```

The terminal output shows the following:

```
latihanDasar git:(master) x go run test.go
starting web server at http://localhost:8080/
^Csignal: interrupt
latihanDasar git:(master) x go run test.go
starting web server at http://localhost:8080/
```



Hello john wick !

have a nice day