

**LAPORAN PRAKTIKUM**  
**PEMROGRAMAN BERBASIS WEB (A)**



Disusun Oleh:

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## LATIHAN 1

Lakukan run go dengan program dibawah ini!

Sebelum

```
package main

import "fmt"

type person struct {
    name string
    age int
}

func main() {
    fmt.Println(person("Bob", 20))

    fmt.Println(person(name: "Alice", age: 30))

    fmt.Println(person(name: "Fred"))

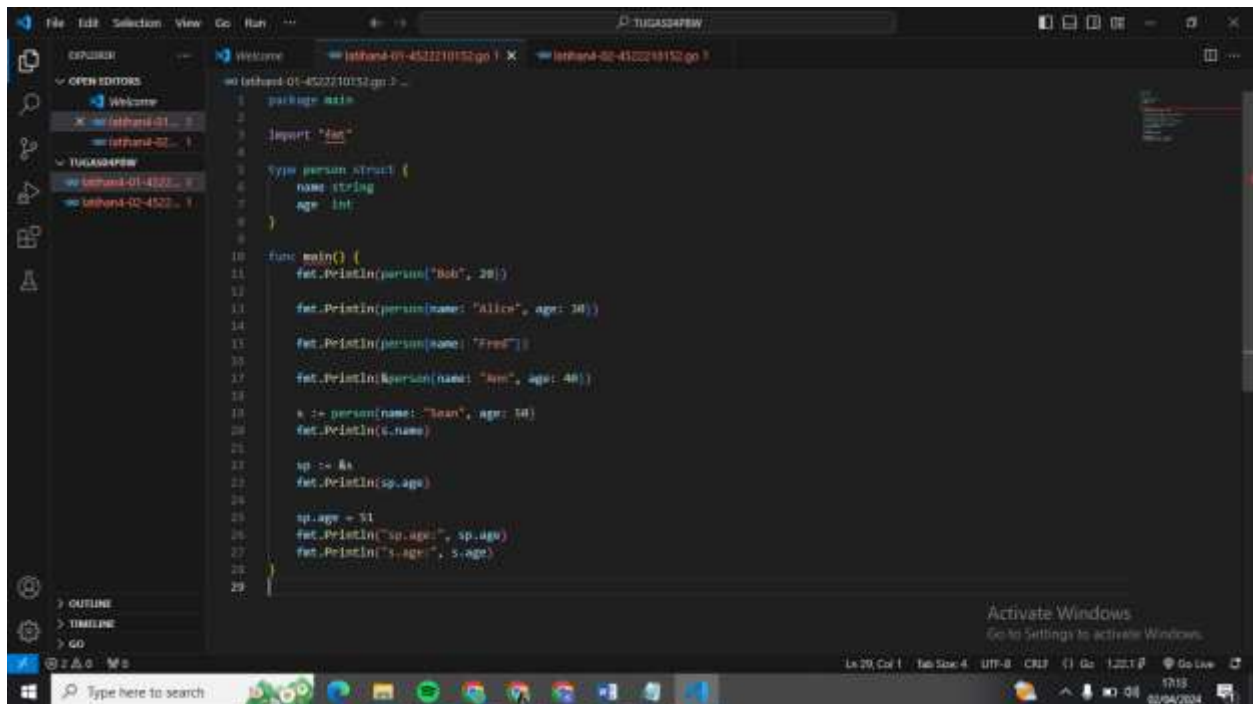
    fmt.Println(&person{name: "Ann", age: 40})

    s := person(name: "Sean", age: 50)
    fmt.Println(s.name)

    sp := &s
    fmt.Println(sp.age)

    sp.age = 51
    fmt.Println("sp.age: ", sp.age)
    fmt.Println("s.age: ", s.age)
}
```

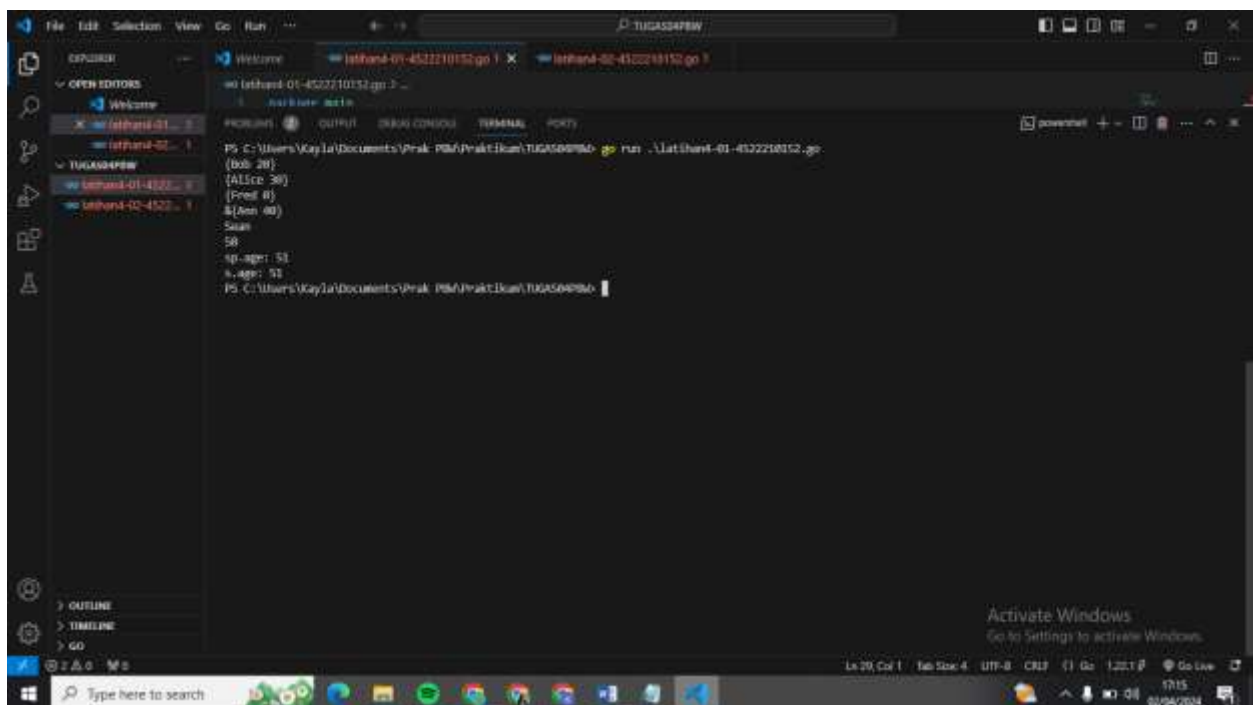
Sesudah



The screenshot shows the Visual Studio Code editor with a Go file named `latihan4-01-452210152.go`. The code defines a `person` struct with `name string` and `age int` fields. The `main` function uses `fmt.Println` to print details for several people: Bob (age 20), Alice (age 30), Fred (age 40), and Ann (age 40). It also creates a pointer to a `person` struct, updates its age to 51, and prints the updated values.

```
1 package main
2
3 import "fmt"
4
5 type person struct {
6     name string
7     age  int
8 }
9
10 func main() {
11     fmt.Println(person{"Bob", 20})
12
13     fmt.Println(person{name: "Alice", age: 30})
14
15     fmt.Println(person{name: "Fred"})
16
17     fmt.Println(person{name: "Ann", age: 40})
18
19     s := person{name: "Ann", age: 50}
20     fmt.Println(s.name)
21
22     sp := &s
23     fmt.Println(sp.age)
24
25     sp.age = 51
26     fmt.Println("sp.age:", sp.age)
27     fmt.Println("s.age:", s.age)
28 }
29
```

Hasil Run:



The screenshot shows the same VS Code editor with the terminal window open. The command `go run .\latihan4-01-452210152.go` has been executed, resulting in the following output:

```
PS C:\Users\Kayla\Documents\Prak_PBM\Praktikum\TUGAS04PBM> go run .\latihan4-01-452210152.go
{Bob 20}
{Alice 30}
{Fred 40}
{Ann 40}
s.name
50
sp.age: 51
s.age: 51
PS C:\Users\Kayla\Documents\Prak_PBM\Praktikum\TUGAS04PBM>
```

## LATIHAN 2

Lakukan run go dengan program dibawah ini!

Soal :

```
package main

import "fmt"

type Customer struct {
    Name, Address string
    Age          int
}

func (customer Customer) sayHello(name string) {
    fmt.Println("Hello", name, "my name is", customer.Name)
}

func main() {
    var eko Customer
    fmt.Println(eko)

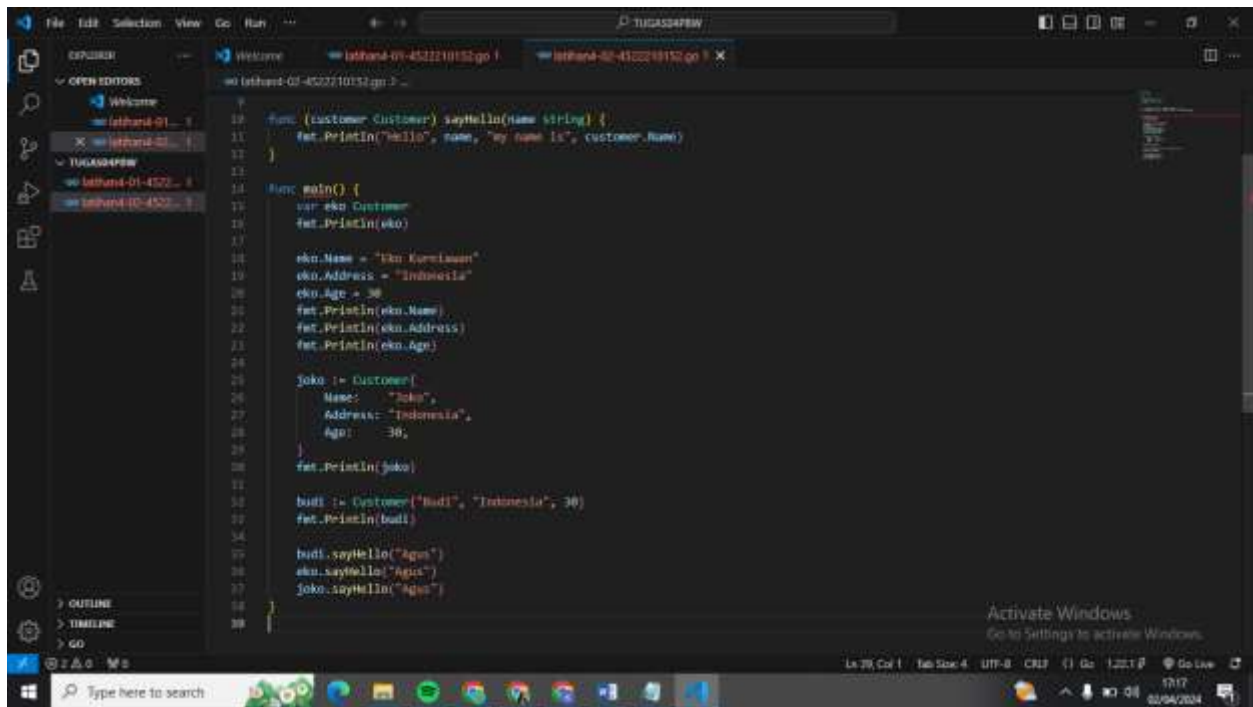
    eko.Name = "Eko Kurniawan"
    eko.Address = "Indonesia"
    eko.Age = 30
    fmt.Println(eko)
    fmt.Println(eko.Name)
    fmt.Println(eko.Address)
    fmt.Println(eko.Age)
```

```
joko := Customer{
    Name: "Joko",
    Address: "Indonesia",
    Age: 30,
}
fmt.Println(joko)

budi := Customer{"Budi", "Indonesia", 30}
fmt.Println(budi)

budi.sayHello("Agus")
eko.sayHello("Agus")
joko.sayHello("Agus")
}
```

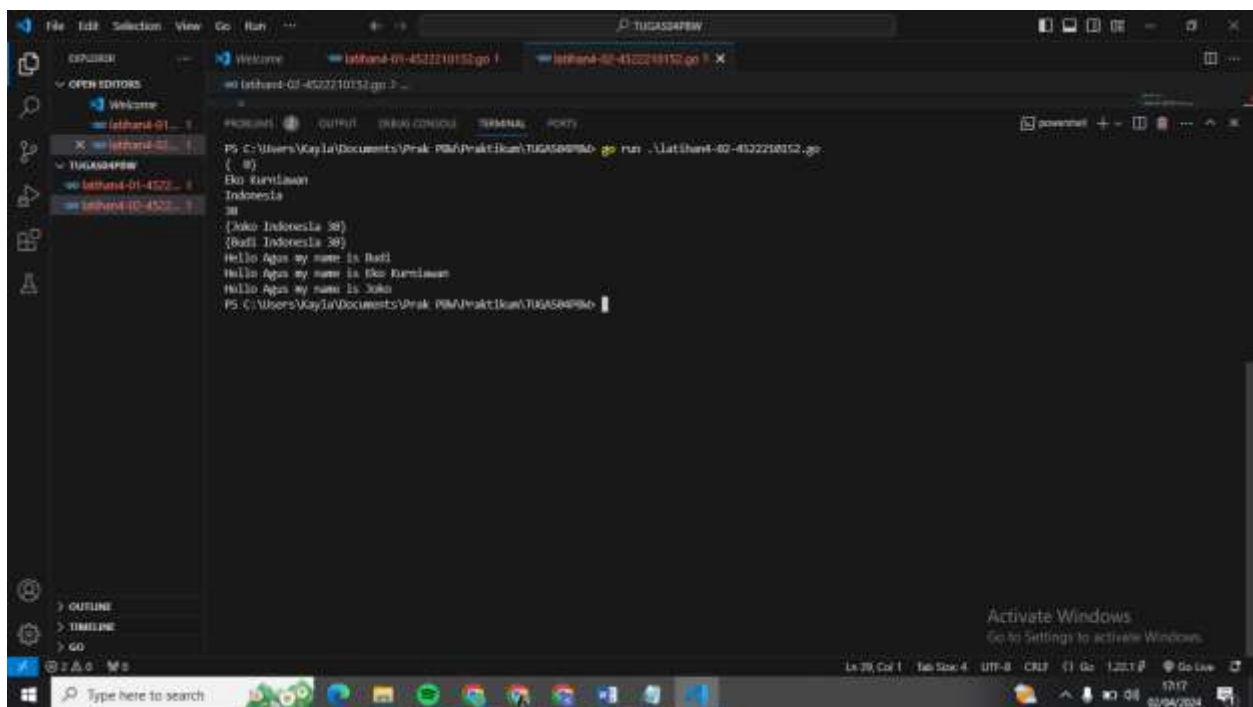
Jawab:



The screenshot shows the Visual Studio Code editor with a Go file named `latihan4-02-4522210152.go`. The code defines a `Customer` struct with fields `Name`, `Address`, and `Age`. It includes a `sayHello` method that prints a greeting and the customer's name. The `main` function creates three customer objects: `eko`, `joko`, and `budi`, and calls `sayHello` on each. The output of the program is visible in the terminal window at the bottom.

```
18 func (customer Customer) sayHello(name string) {
19     fmt.Println("Hello", name, "my name is", customer.Name)
20 }
21
22
23
24 func main() {
25     var eko Customer
26     fmt.Println(eko)
27
28     eko.Name = "Eko Kurniawan"
29     eko.Address = "Indonesia"
30     eko.Age = 30
31     fmt.Println(eko.Name)
32     fmt.Println(eko.Address)
33     fmt.Println(eko.Age)
34
35     joko := Customer{
36         Name: "Joko",
37         Address: "Indonesia",
38         Age: 30,
39     }
40     fmt.Println(joko)
41
42     budi := Customer{"Budi", "Indonesia", 30}
43     fmt.Println(budi)
44
45     budi.sayHello("Agus")
46     eko.sayHello("Agus")
47     joko.sayHello("Agus")
48 }
49
```

Hasil Run:



The screenshot shows the Visual Studio Code editor with the same Go file as above. The terminal window at the bottom displays the output of the program, which matches the expected results from the code.

```
PS C:\Users\Kayla\Documents\Prak PBW\Praktikum\TUGAS4PBW> go run .\latihan4-02-4522210152.go
{ }
Eko Kurniawan
Indonesia
30
{Joko Indonesia 30}
{Budi Indonesia 30}
Hello Agus my name is Budi
Hello Agus my name is Eko Kurniawan
Hello Agus my name is Joko
PS C:\Users\Kayla\Documents\Prak PBW\Praktikum\TUGAS4PBW>
```

Link GitHub:

<https://github.com/fzhbby/PrakPBW-A>

