

TUGAS 4 PEMROGRAMAN BERBASIS WEB

KELAS A

Disusun Untuk Memenuhi Tugas Mata Kuliah Pemrograman Berbasis Web



Disusun oleh:

Gibran Kahlil 4522210128

Dosen Pengampu:

Adi Wahyu Pribadi , S.Si., M.Kom

Program Studi Teknik Informatika

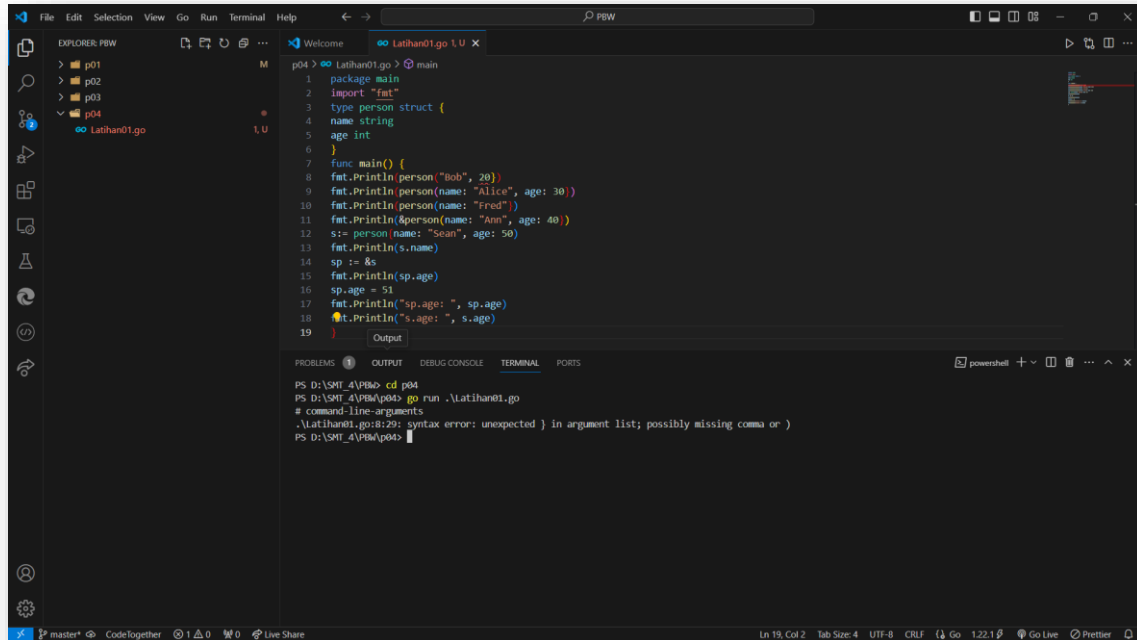
Fakultas Teknik Universitas Pancasila

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Link GitHub: <https://github.com/gibrankahlil260404/PBW>

Latihan 01

- Source code sebelumm diperbaiki



The screenshot shows the Visual Studio Code editor with a Go file named `Latihan01.go`. The code defines a `person` struct with `name` (string) and `age` (int) fields. The `main` function prints several `person` structs. The terminal shows the command `go run .\Latihan01.go` being executed, resulting in a syntax error: `./Latihan01.go:8:29: syntax error: unexpected) in argument list; possibly missing comma or)`. The error is located at line 8, column 29, where the closing brace of the `fmt.Println` call for the `person` struct is missing a comma before the closing parenthesis.

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

Terminal Output:

```
PS D:\SMT_4\PBW> cd p04
PS D:\SMT_4\PBW\p04> go run .\Latihan01.go
# command-line-arguments
./Latihan01.go:8:29: syntax error: unexpected ) in argument list; possibly missing comma or )
PS D:\SMT_4\PBW\p04>
```

- Source Code yang sudah diperbaiki
 - Menambahkan nilai age untuk Fred (`fmt.Println(person{name: "Fred", age: 25})`)
 - Menambahkan operator `&` untuk membuat pointer (`fmt.Println(&person{name: "Ann", age: 40})`). Jika ingin menggunakan (`&`) sebelum pemanggilan fungsi dapat membuat pointer ke struct `'person'`.

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

```
PS D:\SMT_4\PRM\p04> cd p04
PS D:\SMT_4\PRM\p04> go run .\Latihan01.go
# command-line-arguments
.\Latihan01.go:8:29: syntax error: unexpected ) in argument list; possibly missing comma or )
PS D:\SMT_4\PRM\p04> go run .\Latihan01.go
(bob 20)
(Alice 30)
(Fred 25)
&Ann 40)
Sean
50
sp.age: 51
s.age: 51
PS D:\SMT_4\PRM\p04>
```

Latihan 02

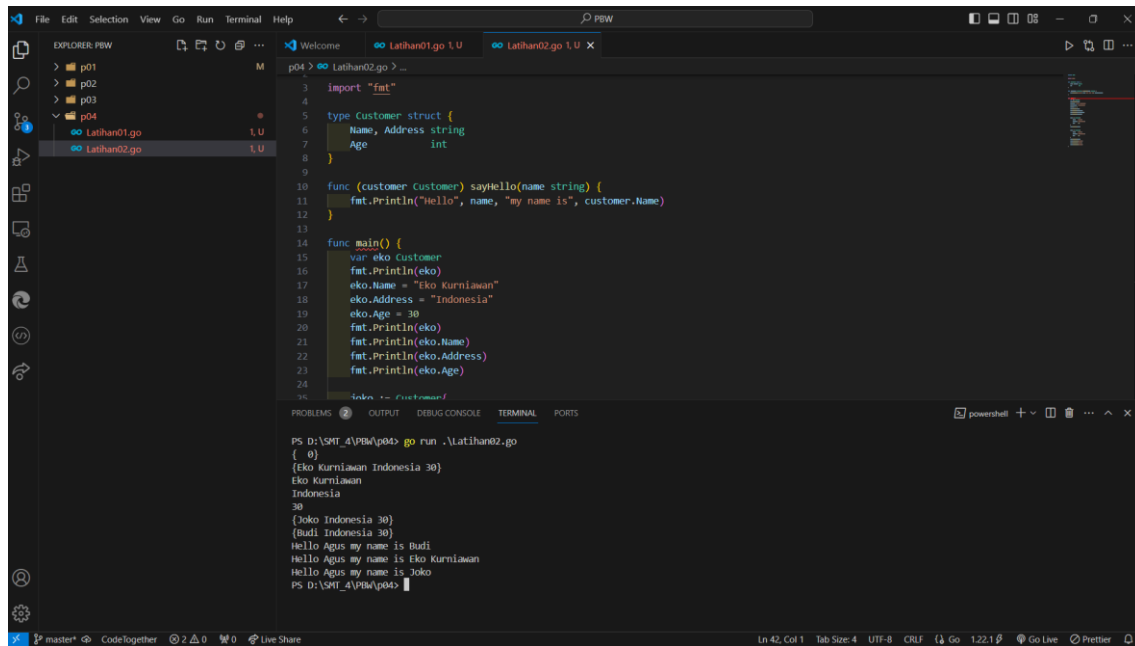
- Source code sebelumm diperbaiki

```
9
10 func main() {
11     var eko Customer
12     fmt.Println(eko)
13     eko.Name = "eko Kurniawan"
14     eko.Address = "Indonesia"
15     eko.Age = 30
16     fmt.Println(eko)
17     fmt.Println(eko.Name)
18     fmt.Println(eko.Address)
19     fmt.Println(eko.Age)
20
21     joko := Customer{
22         Name: "Joko",
23         Address: "Indonesia",
24         Age: 30,
25     }
26     fmt.Println(joko)
27     budi := Customer{"Budi", "Indonesia", 30}
28     budi.sayHello("Agus")
29     eko.sayHello("Agus")
30     joko.sayHello("Agus")
31 }
```

```
PS D:\SMT_4\PRM\p04> go run .\Latihan02.go
# command-line-arguments
.\Latihan02.go:27:41: syntax error: unexpected ) in argument list; possibly missing comma or )
PS D:\SMT_4\PRM\p04>
```

- Source Code yang sudah diperbaiki
 - Menambahkan tanda “=” setelah ‘joko’ dan ‘budi’ untuk mendefinisikan ‘joko’ dan ‘budi’ sebagai instance dari struct ‘Costumer’
 - Menggunakan ‘{ }’ untuk inialisasi ‘joko’ dan ‘budi’ dengan memberikan nilai pada setiap field.

- Memperbaiki sintaks inialisasi 'budi' menggunakan ':' dan memberikan kurung kurawal untuk menginialisasi struct dengan nilai.
 - Menambahkan kurung kurawal untuk inialisasi 'joko' dan 'budi'
- Source Code setelah diperbaiki



The screenshot shows the Visual Studio Code editor with a Go project. The Explorer sidebar on the left shows a folder structure with files p01, p02, p03, and p04. The file p04 is selected, showing the source code in the main editor. The code defines a struct 'Customer' with fields 'Name', 'Address', and 'Age'. It includes a 'sayHello' function and a 'main' function. The 'main' function creates three 'Customer' objects: 'eko', 'joko', and 'budi', and prints their details. The terminal at the bottom shows the output of running the program, which matches the code's logic.

```
1 import "fmt"
2
3 type Customer struct {
4     Name, Address string
5     Age           int
6 }
7
8
9 func (customer Customer) sayHello(name string) {
10     fmt.Println("Hello", name, "my name is", customer.Name)
11 }
12
13
14 func main() {
15     var eko Customer
16     fmt.Println(eko)
17     eko.Name = "Eko kurniawan"
18     eko.Address = "Indonesia"
19     eko.Age = 30
20     fmt.Println(eko)
21     fmt.Println(eko.Name)
22     fmt.Println(eko.Address)
23     fmt.Println(eko.Age)
24
25     joko := Customer{
26         Name: "Joko",
27         Address: "Indonesia",
28         Age: 30,
29     }
30     budi := Customer{
31         Name: "Budi",
32         Address: "Indonesia",
33         Age: 30,
34     }
35     fmt.Println(joko)
36     fmt.Println(budi)
37     eko.sayHello("Eko kurniawan")
38     joko.sayHello("Joko")
39     budi.sayHello("Budi")
40 }
```

Terminal Output:

```
PS D:\SHIT_4\UPBA\p04> go run .\Latihan02.go
{ 0}
(Eko kurniawan Indonesia 30)
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 D:\SHIT_4\UPBA\p04>
```