

**LAPORAN PRAKTIKUM**  
**Algoritma Pemrograman**

**ASSESSMENT**



**Disusun oleh:**

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**S1IF-13-02**

**PROGRAM STUDI S1 INFORMATIKA**  
**FAKULTAS INFORMATIKA**  
**TELKOM UNIVERSITY PURWOKERTO**  
**2025**

## SOAL

### 1. SOAL 1

#### Source Code

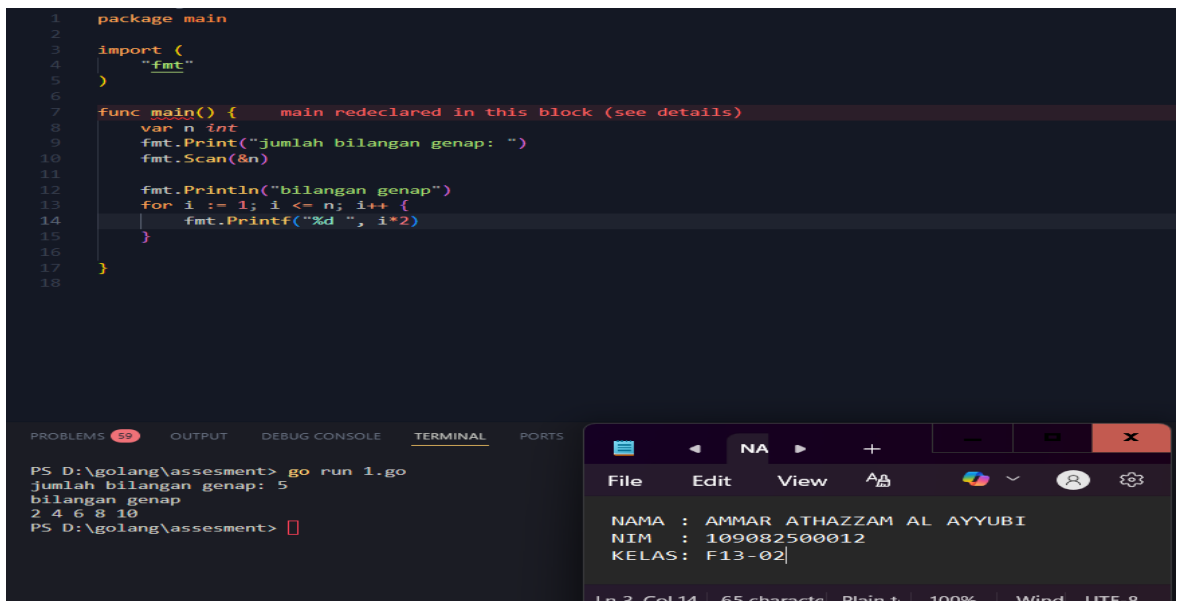
```
package main

import (
    "fmt"
)

func main() {
    var n int
    fmt.Print("jumlah bilangan genap: ")
    fmt.Scan(&n)

    fmt.Println("bilangan genap")
    for i := 1; i <= n; i++ {
        fmt.Printf("%d ", i*2)
    }
}
```

#### Screenshoot program



```
1 package main
2
3 import (
4     "fmt"
5 )
6
7 func main() {
8     var n int
9     fmt.Print("jumlah bilangan genap: ")
10    fmt.Scan(&n)
11
12    fmt.Println("bilangan genap")
13    for i := 1; i <= n; i++ {
14        fmt.Printf("%d ", i*2)
15    }
16 }
17
18
```

PROBLEMS 59 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS D:\golang\assesment> go run 1.go
jumlah bilangan genap: 5
bilangan genap
2 4 6 8 10
PS D:\golang\assesment>
```

File Edit View A A 100% Wind UTF-8

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Ln 3, Col 14 65 characters Plain text 100% Wind UTF-8

### Deskripsi program

Program di atas berfungsi menampilkan banyaknya bilangan genap yang sudah kita masukan.

## 2. SOAL 2

### Source Code

```
package main

import (
    "fmt"
)

func main() {
    var a, b int
    fmt.Print("masukan: ")
    fmt.Scan(&a, &b)

    hasil := 1
    for i := a; i <= b; i++ {
        hasil *= i
        fmt.Print(i)
        if i < b {
            fmt.Print(" x ")
        }
    }

    fmt.Printf("\nhasil: %d\n", hasil)
}
```

### Screenshoot program

```
1 package main
2 import (
3     "fmt"
4 )
5 func main() { main redeclared in this block
6     var a, b int
7     fmt.Print("masukan: ")
8     fmt.Scan(&a, &b)
9
10    hasil := 1
11    for i := a; i <= b; i++ {
12        hasil *= i
13        fmt.Print(i)
14        if i < b {
15            fmt.Print(" x ")
16        }
17    }
18    fmt.Printf("\nhasil: %d\n", hasil)
19 }
```

PROBLEMS 59 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\golang\assesment> go run 2.go  
masukan: 2 4  
2 x 3 x 4  
hasil: 24  
PS D:\golang\assesment> go run 2.go  
masukan: 3 5  
3 x 4 x 5  
hasil: 60  
PS D:\golang\assesment>

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### Deskripsi program

Program di atas berfungsi mengkalikan angka di depannya, contoh awalnya itu 2 Dan akhirnya 4 maka outputnya akan mengkalikan 2 \* 3 \* 4 hasilnya 24.

### 3. SOAL 3

#### Source Code

```
package main

import (

    "fmt"

)

func main() {

    var keping int

    fmt.Scan(&keping)


    peti := keping / 800

    sisa := keping % 800

    karung := sisa / 80

    sisa = sisa % 80

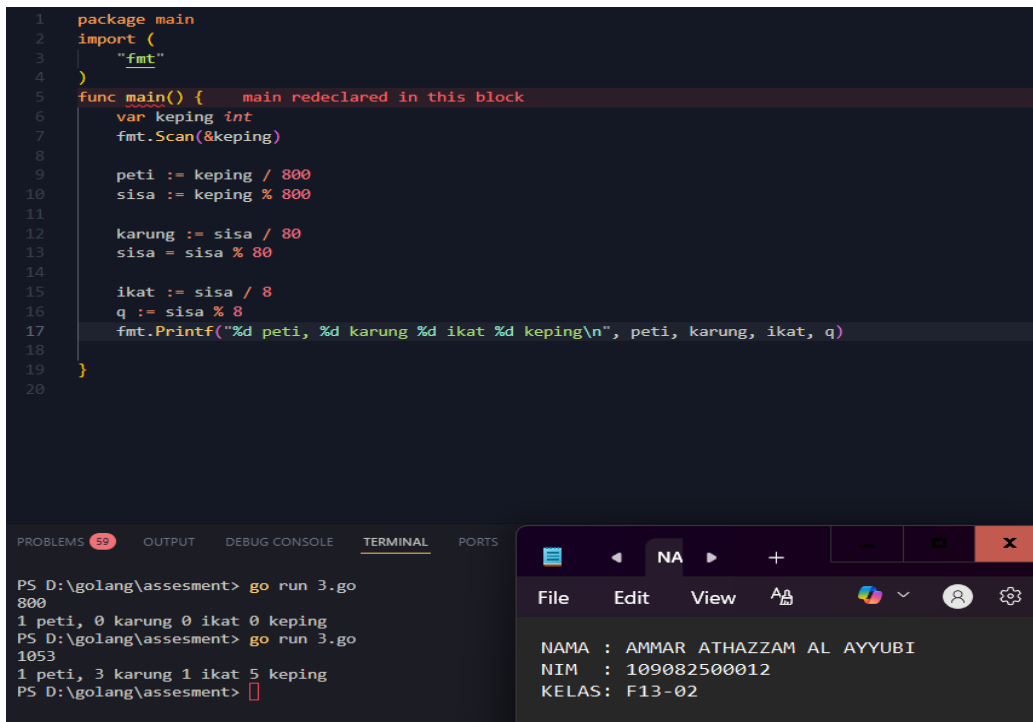
    ikat := sisa / 8

    q := sisa % 8

}
```

```
        fmt.Printf("%d peti, %d karung %d ikat %d\n", peti, karung, ikat, q)
    }
}
```

### Screenshoot program



The screenshot shows a Go program in a code editor with line numbers 1 to 20. The code defines a `main` package, imports `fmt`, and implements a `main` function. It declares a variable `keping` of type `int`, scans its value, and then calculates the number of `peti` (bags), `karung` (sacks), `ikat` (cloths), and `q` (remainder) based on the input `keping`. The program prints the results in a formatted string. Below the code, the terminal window shows the execution of the program with three different inputs: 800, 1053, and 1053. The output for each input shows the calculated values for `peti`, `karung`, `ikat`, and `keping`. On the right side of the terminal, there is a sidebar with a menu (File, Edit, View) and a list of user information: NAMA : AMMAR ATHAZZAM AL AYYUBI, NIM : 109082500012, and KELAS : F13-02.

```
1 package main
2 import (
3     "fmt"
4 )
5 func main() {
6     var keping int
7     fmt.Scan(&keping)
8
9     peti := keping / 800
10    sisa := keping % 800
11
12    karung := sisa / 80
13    sisa = sisa % 80
14
15    ikat := sisa / 8
16    q := sisa % 8
17    fmt.Printf("%d peti, %d karung %d ikat %d keping\n", peti, karung, ikat, q)
18 }
19
20
```

PROBLEMS 59 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS D:\golang\assesment> go run 3.go  
800  
1 peti, 0 karung 0 ikat 0 keping  
PS D:\golang\assesment> go run 3.go  
1053  
1 peti, 3 karung 1 ikat 5 keping  
PS D:\golang\assesment>

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### Deskripsi program

Program di atas berfungsi menghitung hasil keping menjadi peti, karung, ikat, dan sisa(keping).