

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

**EVALUASI**



**Disusun oleh:**

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

## SOAL

## 1. SOAL 1

## Source Code

```
package main

import "fmt"

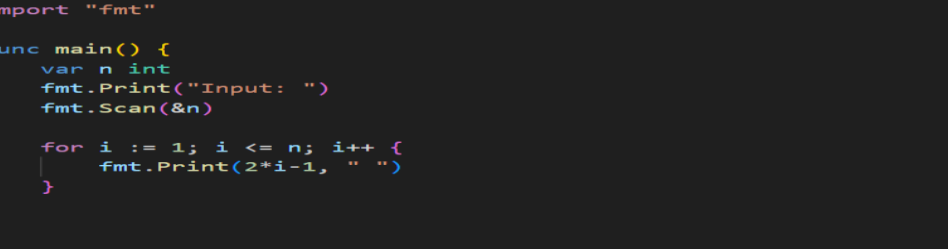
func main() {
    var n int

    fmt.Print("Input: ")

    fmt.Scan(&n)

    for i := 1; i <= n; i++ {
        fmt.Print(2*i-1, " ")
    }
}
```

## Screenshoot program



```
C: > Users > Jimmy Harlindo > praktikum > Latihan semester 1 > Asesment > -go no 1.go
1 package main
2
3 import "fmt"
4
5 func main() {
6     var n int
7     fmt.Print("Input: ")
8     fmt.Scan(&n)
9
10    for i := 1; i <= n; i++ {
11        |    fmt.Print(2*i-1, " ")
12    }
13 }
14
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code + - [ ] [x] ... | [ ] [x]

```
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment 1> go run "c:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment\no 1.go"
Input: 5
1 3 5 7 9
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment 1> [ ]
```

File Edit View Aa [ ] [x] [ ] [x]

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Ln 1, Col 21 39 characters Plain text 100% Window UTF-8 Ln 1, Col 1

### Deskripsi program

Program ini meminta pengguna memasukkan angka n, lalu mencetak n bilangan ganjil pertama menggunakan rumus  $2*i - 1$  di dalam perulangan for.

## 2. SOAL 2

### Source Code

```
package main

import "fmt"

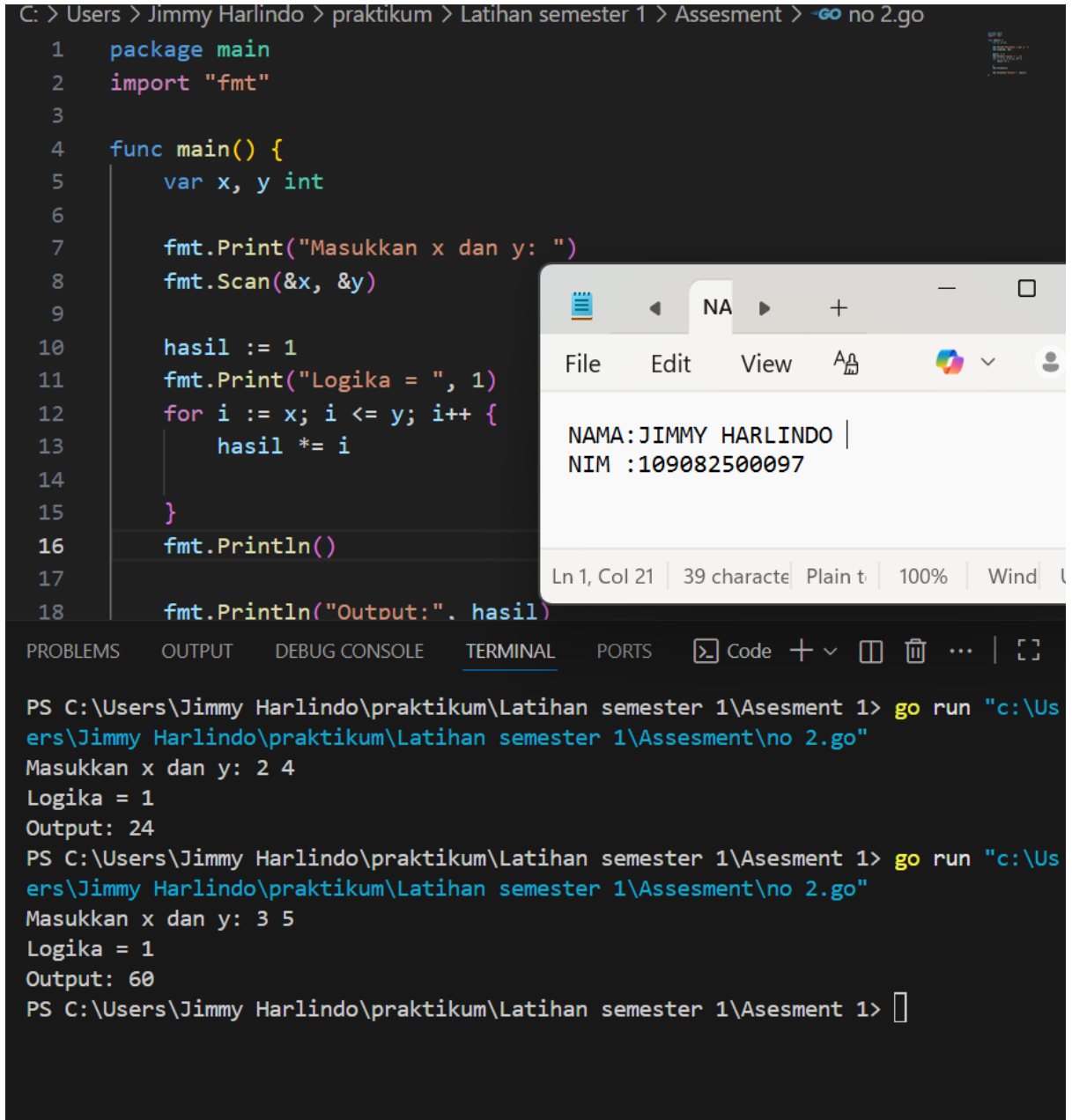
func main() {
    var x, y int

    fmt.Print("Masukkan x dan y: ")
    fmt.Scan(&x, &y)

    hasil := 1
    fmt.Print("Logika = ", 1)
    for i := x; i <= y; i++ {
        hasil *= i
    }
    fmt.Println()

    fmt.Println("Output:", hasil)
}
```

## Screenshoot program



The screenshot shows a Go program in a code editor and its execution in a terminal. The program calculates the factorial of a number y, starting from x. It prompts the user to input x and y, then prints the result.

```
C: > Users > Jimmy Harlindo > praktikum > Latihan semester 1 > Asesment > -go no 2.go

1 package main
2 import "fmt"
3
4 func main() {
5     var x, y int
6
7     fmt.Print("Masukkan x dan y: ")
8     fmt.Scan(&x, &y)
9
10    hasil := 1
11    fmt.Print("Logika = ", 1)
12    for i := x; i <= y; i++ {
13        hasil *= i
14    }
15
16    fmt.Println()
17
18    fmt.Println("Output:". hasil)
```

Output window:

```
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```

Terminal output:

```
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment 1> go run "c:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment\no 2.go"
Masukkan x dan y: 2 4
Logika = 1
Output: 24
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment 1> go run "c:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment\no 2.go"
Masukkan x dan y: 3 5
Logika = 1
Output: 60
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Asesment 1>
```

## Deskripsi program

Jadi, program ini menghitung perkalian semua angka dari x sampai y

### 3. SOAL 3

#### Source Code

```
package main

import "fmt"

func main() {
    var keping int
    fmt.Print("Masukkan jumlah keping: ")
    fmt.Scan(&keping)

    kepingPerIkat := 10
    kepingPerKarung := 10 * kepingPerIkat
    kepingPerPeti := 8 * kepingPerKarung

    peti := keping / kepingPerPeti
    sisa := keping % kepingPerPeti
    karung := sisa / kepingPerKarung
    sisa = sisa % kepingPerKarung
    ikat := sisa / kepingPerIkat
    kepingSisa := sisa % kepingPerIkat

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

## Screenshot program

```
C: > Users > Jimmy Harlindo > praktikum > Latihan semester 1 > Assesment > -go no 3.go

1 package main
2 import "fmt"
3
4 func main() {
5     var keping int
6     fmt.Print("Masukkan jumlah keping: ")
7     fmt.Scan(&keping)
8
9     kepingPerIkat := 10
10    kepingPerKarung := 10 * kepingPerIkat
11    kepingPerPeti := 8 * kepingPerKarung
12
13    peti := keping / kepingPerPeti
14    sisa := keping % kepingPerPeti
15    karung := sisa / kepingPerKarung
16    sisa = sisa % kepingPerKarung
17    ikat := sisa / kepingPerIkat
18    kepingSisa := sisa % kepingPerIkat
19 }
```

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```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Code + - [] [X]
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Assesment 1> go run "c:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Assesment 1\no 3.go"
Masukkan jumlah keping: 800
1 peti, 0 karung, 0 ikat, dan 0 keping
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Assesment 1> go run "c:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Assesment 1\no 3.go"
Masukkan jumlah keping: 1053
1 peti, 2 karung, 5 ikat, dan 3 keping
PS C:\Users\Jimmy Harlindo\praktikum\Latihan semester 1\Assesment 1> 
```

### Deskripsi program

Program ini mengubah jumlah keping menjadi bentuk satuan besar (peti, karung, ikat, keping) secara bertingkat, seperti “konversi uang receh ke pecahan besar”.