

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

**EVALUASI**



**Disusun oleh:**

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**S1IF-13-07**

**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.Scan(&n)

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

#### Screenshoot program

The screenshot shows a Go IDE with a file named `test.go`. The code in the file is as follows:

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

Below the code editor, the terminal output is displayed, showing the execution of the program with various inputs and errors:

```
PS C:\Coding\go_mastering> go run test.go
# command-line-arguments
.\test.go:12:21: i + 2 (value of type int) is not used
PS C:\Coding\go_mastering> go run test.go
# command-line-arguments
.\test.go:12:6: undefined: i
PS C:\Coding\go_mastering> go run test.go
# command-line-arguments
.\test.go:12:21: i + 2 (value of type int) is not used
PS C:\Coding\go_mastering> go run test.go
5
2, 4, 6, 8, 10
```

## Deskripsi program

Program ini berfungsi untuk mencetak bilangan genap n pertama dimulai dari 2.

## 2. SOAL 2

### Source Code

```
package main

import "fmt"
```

```
func main() {  
    var a, b int  
    var j int  
    fmt.Scan(&a, &b)  
    for j = a; j <= b; j++ {  
        fmt.Print(j, " ")  
        a = a * j  
    }  
  
    fmt.Println(a / 2)  
  
}
```

**Screenshoot program**

```
test.go X
go_mastering > -go test.go > ...
1 package main
2
3 import "fmt"
4
5 func main() {
6     var a, b int
7     var j int
8     fmt.Scan(&a, &b)
9     for j = a; j <= b; j++ {
10         fmt.Print(j, " ")
11         a = a * j
12     }
13
14     fmt.Println(a / 2)
15
16 }
17
```

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Ln 3, Col 9 | 43 character | Plain text | 100% | Window | UTF-8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Coding\go_mastering> go run test.go
2 3 4 48
● PS C:\Coding\go_mastering> go run test.go
2 4
2 3 4 6
● PS C:\Coding\go_mastering> go run test.go
2 4
2 3 4 6
○ PS C:\Coding\go_mastering> ^C
● PS C:\Coding\go_mastering> go run test.go
2 4
2 3 4 24
○ PS C:\Coding\go_mastering>
```

Deskripsi program

### 3. SOAL 3

Source Code

Screenshoot program

Deskripsi program