**LAPORAN PRAKTIKUM**

**Algoritma Pemrograman**


**EVALUASI**



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**S1IF-13-04**


**PROGRAM STUDI S1 INFORMATIKA**

**FAKULTAS INFORMATIKA**

**TELKOM UNIVERSITY PURWOKERTO**

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**SOAL**

1. **SOAL 1**
   **Source Code**

```go
package main

import "fmt"

func main() {

    var n int

    fmt.Scan(&n)

    for j := 2; j <= n*2; j += 2 {

        fmt.Print(j, " ")

    }

}
```
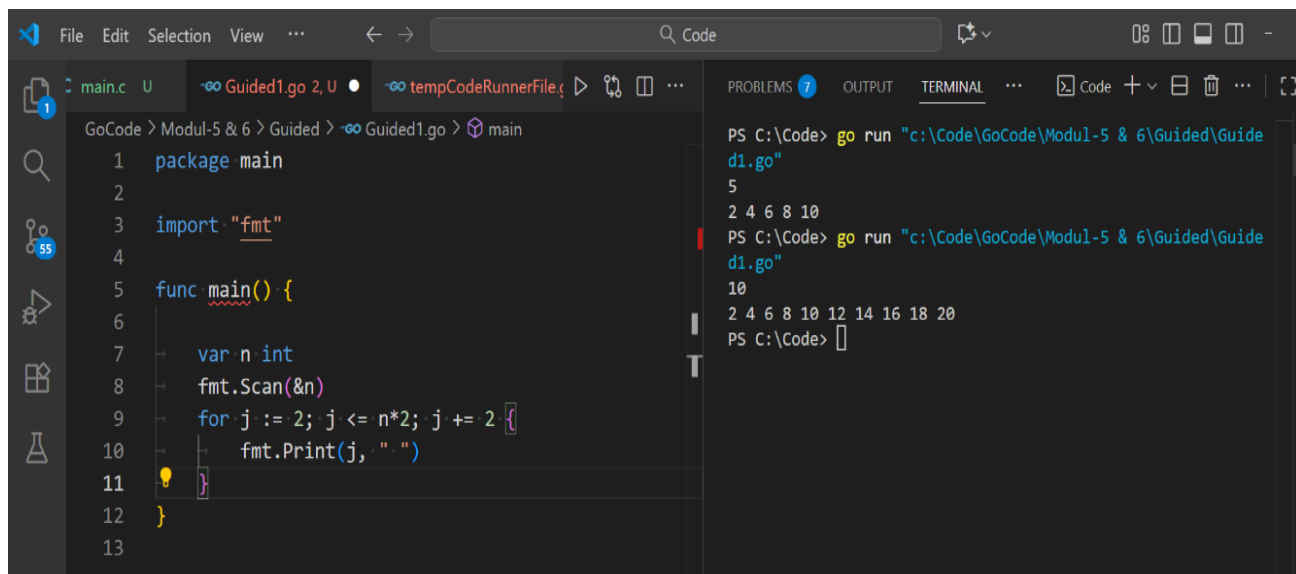
**Screenshoot program**



**Deskripsi program**
this program prints j, j = 2 and increases j by 2 until j is greater than n * 2.

## 2. SOAL 2

**Source Code**

```go
package main

import "fmt"

func main() {

    var n, m int
    fmt.Scan(&n, &m)

    result := 1

    for j := n; j <= m; j += 1 {
        result = result * j

    }
    fmt.Println(result)
}
```
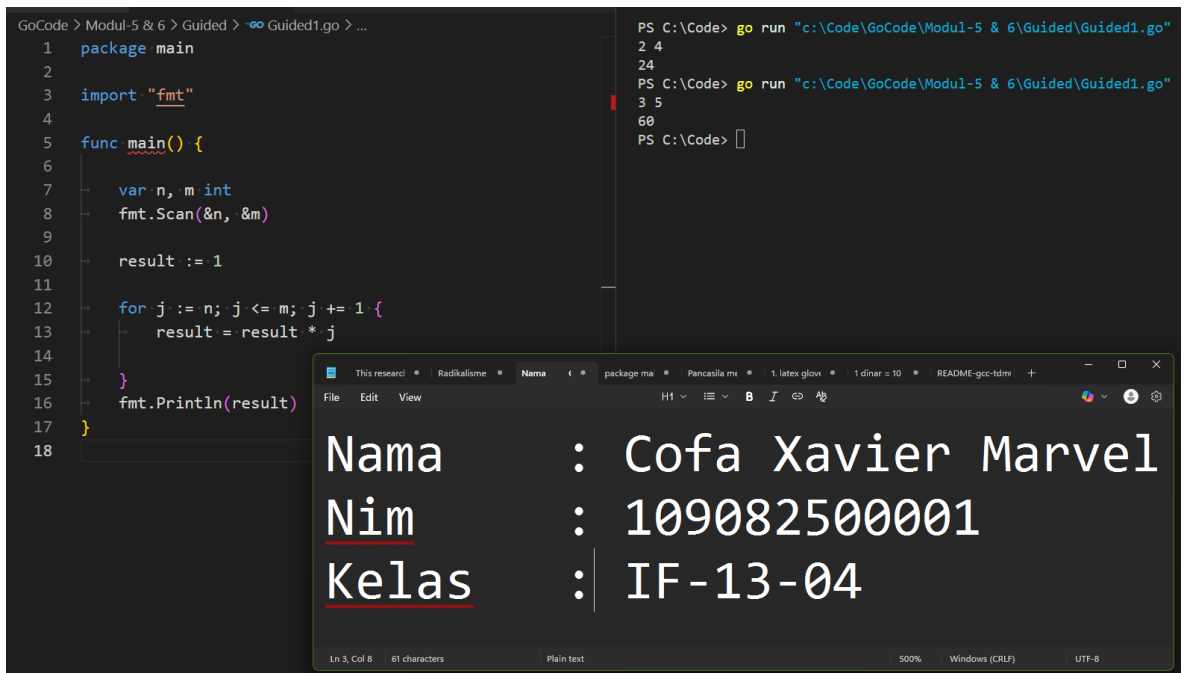
**Screenshoot program**

```
GoCode > Modul-5 & 6 > Guided > Guided1.go > ...        PS C:\Code> go run "c:\Code\GoCode\Modul-5 & 6\Guided\Guided1.go"
  1   package main                                      2 4
  2                                                      24
  3   import "fmt"                                       PS C:\Code> go run "c:\Code\GoCode\Modul-5 & 6\Guided\Guided1.go"
  4                                                      3 5
  5   func main() {                                      60
  6                                                      PS C:\Code> 
  7       var n, m int
  8       fmt.Scan(&n, &m)
  9
 10       result := 1
 11
 12       for j := n; j <= m; j += 1 {
 13           result = result * j
 14
 15       }
 16       fmt.Println(result)
 17   }
 18
```

```
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```

**Deskripsi program**

**This program times all number between n and m including n and m. It does this by multiplying the result, result = 1, variable by n increasing by 1 repeating until n is equal to m.**

3. **SOAL**

**Source Code**

```go
package main

import "fmt"

func main() {

    var In int
    fmt.Scan(&In)

    peti := (In / 800)
    karung := (In % 800) / 80
    ikat := ((In % 800) % 80) / 8
    keping := ((In % 800) % 80) % 8

    fmt.Println(peti, "peti", karung, "karung", ikat, "ikat", keping, "keping")

}
```

**Screenshoot program**



**Deskripsi program**

**This program calculates the amount of peti, karung, ikat, and keping in a given number.**