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TUGAS PENDAHULUAN MODUL 02 FUNGSI

NO 1

Code:

```
C:\Users\Hello\Documents\belajar goolang\no1.go - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
no2.go no1.go no3.go
1 package main
2
3 import "fmt"
4
5 func main () {
6     var suhuawal, suhuterakhir, n float32
7
8     fmt.Scan (&suhuawal)
9     fmt.Scan (&suhuterakhir)
10    fmt.Scan (&n)
11
12    fmt.Print ("celcius reamur fahrenheit kelvin\n")
13    for i := suhuawal; i <= suhuterakhir; i += n {
14        fmt.Println(" ", suhuawal, " ", reamur(suhuawal), " ", fahrenheit(suhuawal), " ", kelvin(suhuawal))
15        suhuawal = suhuawal + n
16    }
17 }
18
19 func reamur(suhu float32) (reamur float32) {
20     reamur = (4 * suhu) / 5
21     return reamur
22 }
23
24 func fahrenheit(suhu float32) (fahrenheit float32) {
25     fahrenheit = ((9 * suhu) / 5) + 32
26     return fahrenheit
27 }
28
29 func kelvin(suhu float32) (kelvin float32) {
30     kelvin = suhu + 273
31     return kelvin
32 }
```

Output:

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.26100.3194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Hello\Documents\belajar goolang> go run no1.go
10 100 10
celcius reamur fahrenheit kelvin
10 8 50 283
20 16 68 293
30 24 86 303
40 32 104 313
50 40 122 323
60 48 140 333
70 56 158 343
80 64 176 353
90 72 194 363
100 80 212 373

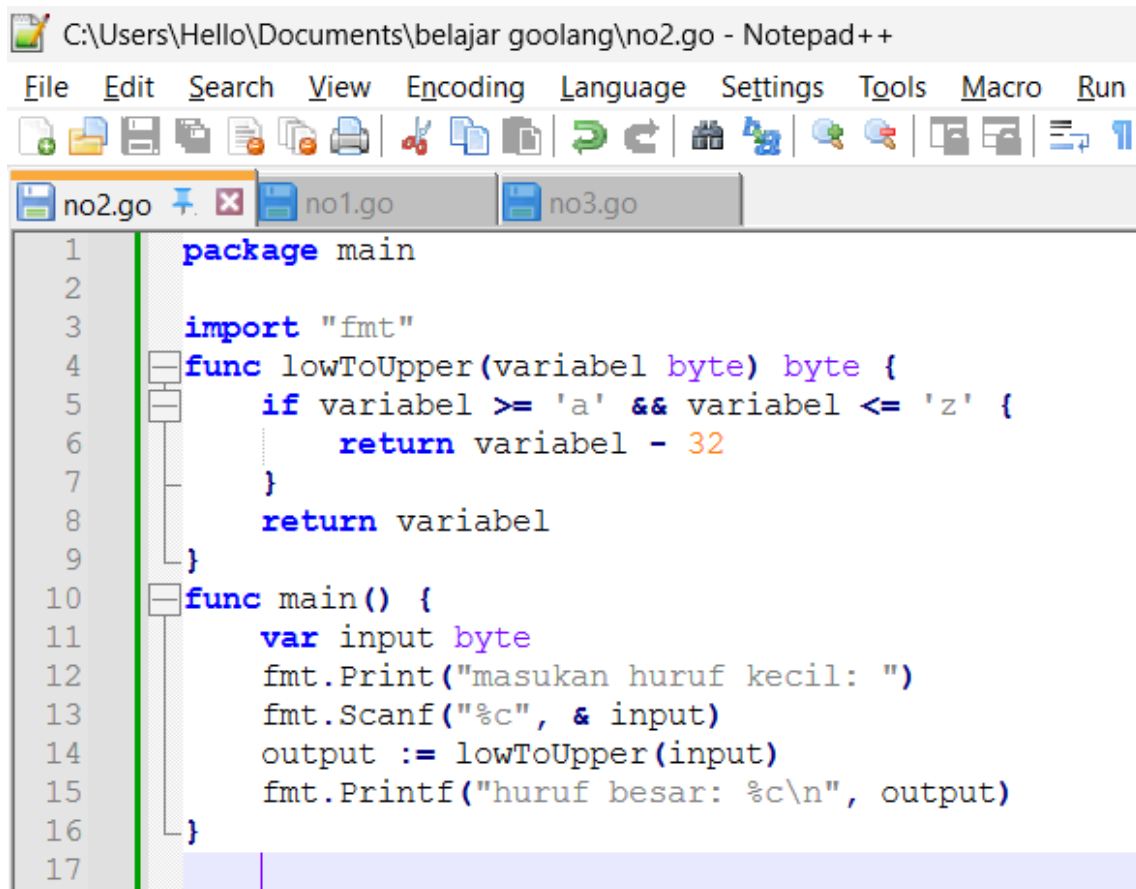
C:\Users\Hello\Documents\belajar goolang> go run no1.go
10 50 5
celcius reamur fahrenheit kelvin
10 8 50 283
15 12 59 288
20 16 68 293
25 20 77 298
30 24 86 303
35 28 95 308
40 32 104 313
45 36 113 318
50 40 122 323

C:\Users\Hello\Documents\belajar goolang> go run no1.go
35.25 82.5 10.5
celcius reamur fahrenheit kelvin
35.25 28.2 95.45 308.25
45.75 36.6 114.35 318.75
56.25 45 133.25 329.25
66.75 53.4 152.15 339.75
77.25 61.8 171.05 350.25

C:\Users\Hello\Documents\belajar goolang>
```

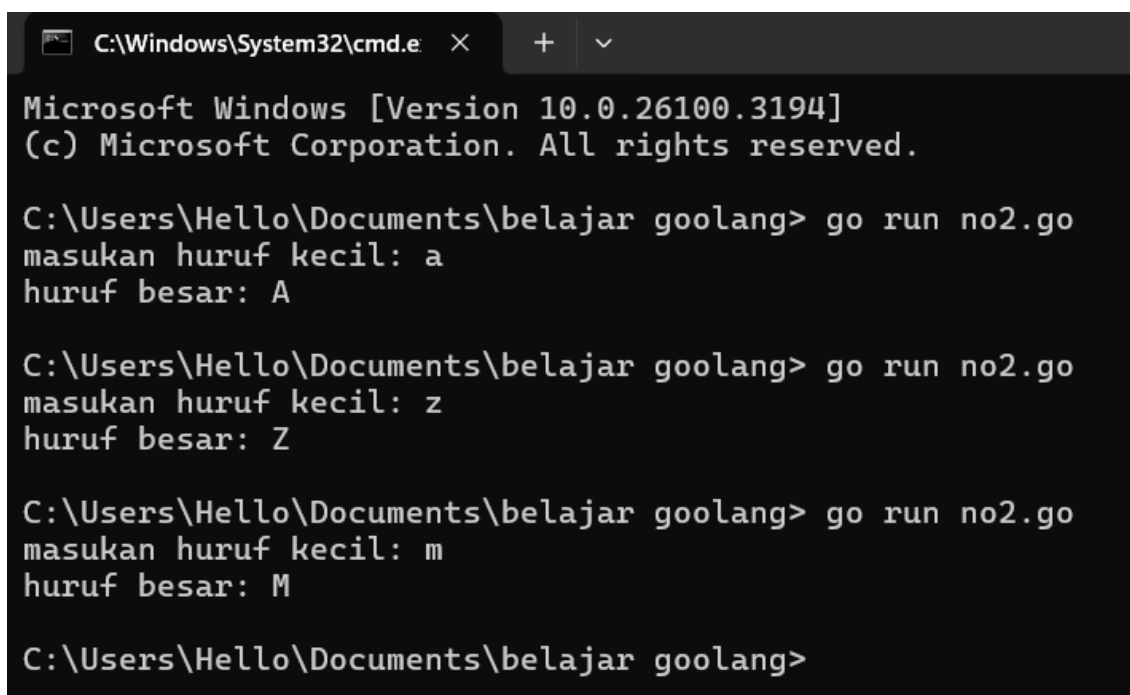
NO 2

Code:



```
1 package main
2
3 import "fmt"
4 func lowToUpper(variabel byte) byte {
5     if variabel >= 'a' && variabel <= 'z' {
6         return variabel - 32
7     }
8     return variabel
9 }
10 func main() {
11     var input byte
12     fmt.Print("masukan huruf kecil: ")
13     fmt.Scanf("%c", &input)
14     output := lowToUpper(input)
15     fmt.Printf("huruf besar: %c\n", output)
16 }
17
```

Output:



```
C:\Windows\System32\cmd.e x + v
Microsoft Windows [Version 10.0.26100.3194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Hello\Documents\belajar goolang> go run no2.go
masukan huruf kecil: a
huruf besar: A

C:\Users\Hello\Documents\belajar goolang> go run no2.go
masukan huruf kecil: z
huruf besar: Z

C:\Users\Hello\Documents\belajar goolang> go run no2.go
masukan huruf kecil: m
huruf besar: M

C:\Users\Hello\Documents\belajar goolang>
```

NO 3

Code:

```
C:\Users\Hello\Documents\belajar goolang\no3.go - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run
no2.go no1.go no3.go
1 package main
2
3 import "fmt"
4
5 func main() {
6     var N, M, hasil int
7     fmt.Scan(&N)
8     fmt.Scan(&M)
9     hasil = adaBilanganM(N, M)
10
11     if hasil >= 1 {
12         fmt.Println ("Ya")
13     } else {
14         fmt.Println ("Tidak")
15     }
16 }
17
18 func adaBilanganM(n, m int) (index int) {
19     var x, temp int
20     x = 10 * 10 * 10 * 10 * 10
21     index = 0
22     for i := 1; i <= 6; i++ {
23         temp = n / x
24         if temp != 0 {
25             if temp == m {
26                 index = index + 1
27             } else {
28                 index = index
29             }
30         }
31         n = n % x
32         x = x / 10
33     }
34     return index
35 }
```

Output :

```
C:\Windows\System32\cmd.e
Microsoft Windows [Version 10.0.26100.3194]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Hello\Documents\belajar goolang> go run no3.go
172 7
Ya

C:\Users\Hello\Documents\belajar goolang> go run no3.go
999 9
Ya

C:\Users\Hello\Documents\belajar goolang> go run no3.go
1234 5
Tidak

C:\Users\Hello\Documents\belajar goolang>
```