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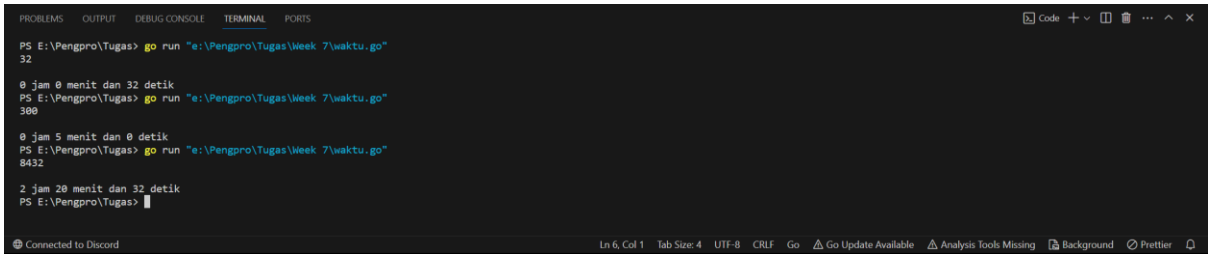
Soal 1. Soal Waktu

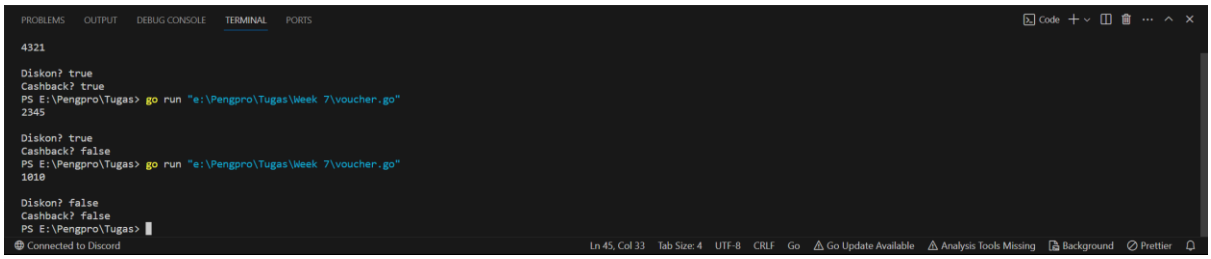
```go
package main

import (
    "fmt"
)

func main()  {
    var s, j, m, d int;

    fmt.Scan(&s)
    fmt.Println("")

    j =  s / 3600
    s = s % 3600

    m = s / 60

    d = s % 60

    fmt.Println(j, "jam", m, "menit dan", d, "detik")


}

// Program waktu

// Kamus
// s, j, m, d : Integer

// Algoritma
// Input(s)
// Output("")

// j <- s / 3600
// s <- s mod 3600

// m <- s / 60

// d <- s mod 60

// Output(j, "jam", m, "menit dan", d, "detik")
// End Program
```



Soal 2. Soal Voucher

```go
package main

import (
    "fmt"
)

func main() {
    var x, a, b, c, d int
    var diskon, cashback bool

    fmt.Scan(&x)
    fmt.Println("")

    a = x / 1000
    b = (x / 100) % 10
    c = (x / 10) % 10
    d = x % 10

    diskon = ((b * 10 + c) % 2 == 0)
    cashback = d != 0 && (a + c) % d == 0

    fmt.Println("Diskon?", diskon)
    fmt.Println("Cashback?", cashback)
}

// Program voucher

// Kamus
// x, a, b, c, d : Integer
// diskon, cashback as Boolean

// Algoritma
// Input(x)
// Output("")

// a <- x / 1000
// b <- (x / 100) mod 10
// c <- (x / 10) mod 10
// d <- x mod 10
```

```
// diskon <- ((b * 10 + c) mod 2 == 0)
// cashback <- d != 0 and (a + c) mod d == 0

// Output("Diskon?", diskon)
// Output("Cashback?", cashback)
```



Soal 3. Soal Jumlah Bilangan

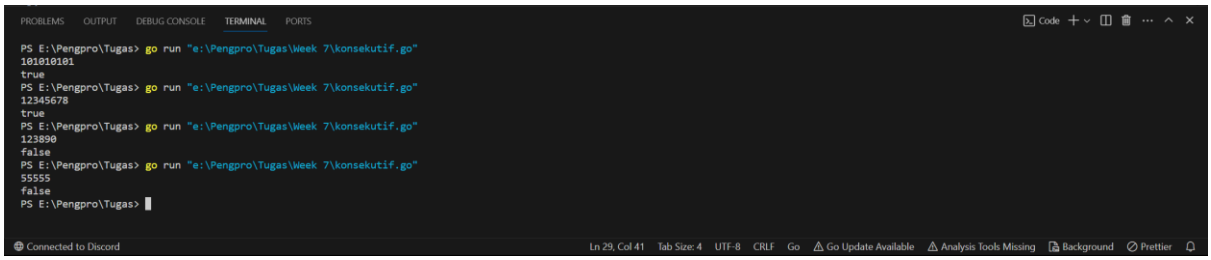
```
package main

import (
    "fmt"
)

func main() {
    var x, total int

    fmt.Scan(&x)
    fmt.Println("")

    for x > 0 {
        total += x % 10
        x /= 10
    }

    fmt.Println(total)

}

// Program jumlahbilangan

// Kamus
// x, total : Integer

// Algoritma
// Input(x)
// Output("")

// total <- 0

// while x > 0:
```

```
//  total <- total + (x mod 10)
//  x <- x div 10
// End While

// Output(total)
// End Program
```

Soal 4. Soal Konsekutif

```
package main

import (
    "fmt"
);

func main()  {
    var x, digitterakhir, digitawal int;
    var isOne bool;

    fmt.Scan(&x);

    isOne = true;

    for x > 0 && isOne == true {
        digitterakhir = x % 10;
        x /= 10;
        digitawal = x % 10
        isOne = (digitterakhir - digitawal == 1) || (digitawal - digitterakhir
== 1);
        x /= 10
    }

    fmt.Println(isOne);
}

// Program konsekutif

// Kamus
// x, digitterakhir, digitawal : Integer
// isOne : Boolean
```

```
// Algoritma
// Input(x)

// isOne <- true

// while x > 0 and isOne == true:
//  digitterakhir <- x mod 10
//  x <- x div 10
//  digitawal <- x mod 10
//  isOne <- (digitterakhir - digitawal == 1) or (digitawal - digitterakhir ==
1)
//  x <- x div 10
// End While

// Output(isOne)
// End Program
```



Soal 5. Soal Fibonacci

```go
package main

import (
    "fmt"
)

func main() {
    var n int
    var a, b int;


    fmt.Scan(&n)
    fmt.Println("")

    a = 0
    b = 1
    for i := 0; i <= n; i++ {
        fmt.Print(a, " ")

        a, b = b, a + b

    }
```

```
}

// Program fibonacci

// Kamus
// n, a, b, i : Integer

// Algoritma
// Input(n)
// Output("")

// a <- 0
// b <- 1

// for i <- 0 to n:
//  Output(a + " ")
//  a, b <- b, a + b
// End For

// End Program
```