Soal TP Modul 8 (Searching)

Nama: Muhamad Alwan Suryadi

NIM : 103032400104

Kelas : IT-48-01

Soal 1

```
D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soall.go

4 0 2 5 7
7 4

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soall.go

5 4 3 2 1
5 0

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soall.go

7
1 1 1 1 1 1
1 0

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soall.go

11
2 3 4 5 6 7 8 9 10 11 12 13
10 9

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soall.go
```

3	7	7 0
	1 1 1 1 1 1	

Tidak mungkin inputnya 7, karena data yang diberikan hanya angka 1 sebanyak 7 kali.

```
package main
import "fmt"
func main(){
    const NMAX int = 10
    var A[NMAX] int
    var i,n,MIN int
    fmt.Scan(&n)
    if n > NMAX{
        n = NMAX
    for i=0;i<n;i++{</pre>
        fmt.Scan(&A[i])
    MIN = 0
    for i=1;i<n;i++{</pre>
        if A[i] < A[MIN]{</pre>
            MIN = i
    fmt.Println(A[MIN],MIN)
```

```
D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soal2.go
5
4 0 2 5 7
0 1

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soal2.go
5
5 4 3 2 1
1 4

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soal2.go
5
2 2 2 2 2
2 0

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soal2.go
11
2 3 4 5 6 7 8 9 10 11 12 13
1 0

D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searc hing>go run TP_MOD_08_soal2.go
```

```
package main
import "fmt"
   const NMAX = 20
type tabInt [NMAX]int
func main() {
    var A tabInt
    var n int
        baca(sA, sn)
         cetakElemen(A. n)
        cetakInfo(A, n)
} else {
                  stop = true
func cetakElemen(A tabInt, n int) {
   fmt.Frint("Elemen array: ")
   for i := 0; i < n; i++ {
      fmt.Frintf("6d ", A[i])</pre>
         fmt.P=intln()
 L,
func maksimum(A tabInt, n int) int {
        ver max,1 int
if n == 0 {
    return 0
        }
max = A[0]
for i = 1; i < n; i++ {
    if A[i] > max {
        max = A[i]
    }
}
func minimum(A tabInt, n int) int {
        var min, i int
if n == 0 {
    return 0
}
        }
min = A[0]
for i = 1; i < n; i++ {
    if A[i] < min {
        min = A[i]
    }
}</pre>
         return min
func cetakInfo(A tabInt, n int) {
  fmt.Printf("Milai maksimum: 8d\n", maksimum(A, n))
  fmt.Printf("Milai minimum: 8d\n", minimum(A, n))
  fmt.Printf("Banyak elemen: 8d\n", n)
 D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searching>go run TP_MOD_08_soal3.go
 1 2 3 4 -1
Elemen array: 1 2 3 4
Nilai maksimum: 4
Nilai minimum: 1
 Banyak elemen: 4
 D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searching>go run TP_MOD_08_soal3.go
11 22 44 33 66 66 11 88
99 66 33 22 88 44 33 22
88 77 66 66 22
 Elemen array: 11 22 44 33 66 66 11 88 99 66 33 22 88 44 33 22 88 77 66 66
 Nilai maksimum: 99
Nilai minimum: 11
 Banyak elemen: 20
 D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searching>go run TP_MOD_08_soal3.go 55 22 77 99 0 -7 Elemen array: 55 22 77 99
 Nilai maksimum: 99
Nilai minimum: 22
Banyak elemen: 4
 D:\Matkul smester 2\Algoritma Pemrograman\praktikum\TP6_MOD_08_Searching>go run TP_MOD_08_soal3.go 12 23 34 45 56 78 98 -10 Elemen array: 12 23 34 45 56 78 98
 Nilai maksimum: 98
Nilai minimum: 12
Banyak elemen: 7
```