TP MODUL ke-13 (Selection Sort)

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```go
package main
import "fmt"

const NMAX int = 100
type tabInt[NMAX]int

func main(){
    var data tabInt
    var nData int
    fmt.Scan(&nData)
    bacaData(&data,nData)
    fmt.Println()
    cetakData(data,nData)
    SelectionSort(&data,nData)
    cetakData(data,nData)

}

func SelectionSort(A *tabInt, N int){
    var i,idx,pass int
    var temp int
    pass = 1
    for pass < N{
        idx = pass - 1
        i = pass
        for i < N{
            if A[i] > A[idx]{
                idx = i
            }
            i = i + 1
        }
        temp = A[pass - 1]
        A[pass - 1] = A[idx]
        A[idx] = temp
        pass++
    }
}
func bacaData(A *tabInt, N int){
    var i int
    for i=0;i<N;i++{
        fmt.Scan(&A[i])
    }
}

func cetakData(A tabInt, N int){
    var i int
    for i=0;i<N;i++{
        fmt.Print(A[i], " ")
    }
    fmt.Println()
}
```

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

4 0 2 5 7
7 5 4 2 0

D:\Matkul smester 2\Algoritma Pemrograman\praktikum>go run 1.go
5
1 1 1 2 1

1 1 1 2 1
2 1 1 1 1

D:\Matkul smester 2\Algoritma Pemrograman\praktikum>go run 1.go
10
1 2 3 4 5 6 7 8 9 10

1 2 3 4 5 6 7 8 9 10
10 9 8 7 6 5 4 3 2 1

D:\Matkul smester 2\Algoritma Pemrograman\praktikum>
```