C:\Users\ASUS\Music\a.go - Sublime Text (UNREGISTERED)

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terdekat.go | latihan.go | pusing.go | a.go

```
        fmt.Scan(&data[i].count)
        i++
    }
    fmt.Print("Masukan data array size : ")
    i = 1
    for i < N {
        fmt.Scan(&data[i].size)
        i++
    }
    isort()
    fmt.Printf("\n")
    msort()
    fmt.Printf("\n")
    fmt.Print("Masukan angka yang mau dicari = ")
    fmt.Scan(&cari)
    ketemu = isFound(cari)
    fmt.Printf("Angka yang dicari ada = %t\n", ketemu)
    fmt.Println("Nama : Fahmi Razan Ramdani")
    fmt.Println("NIM  : 1301194054")
}

//CARA INSERTION
func isort() {
    temp := 0
    i := 1
    for i < N {
        a := 1
        for a < N-1 {
            if data[a].count > data[a+1].count {
                data[temp] = data[a]
                data[a] = data[a+1]
                data[a+1] = data[temp]
            }
            a++
        }
        i++
    }
    fmt.Print("Urutan array count = ")
    j := 1
    for j < N {
        fmt.Printf("%v ", data[j].count)
        j++
    }
}

//CARA SELECTION
func msort() {
    max := 0
    temp := 0
    i := 1
    awal := 1
    for awal != N {
        i = awal
        for i != N {
            if data[i].size > data[max].size {
                max = i
            } else if i == awal {
                max = i
            }
            i++
        }
        data[temp] = data[awal]
        data[awal] = data[max]
        data[max] = data[temp]
        awal++
    }
    fmt.Print("Urutan array size = ")
    j := 1
    for j < N {
        fmt.Printf("%v ", data[j].size)
        j++
    }
}

//CARA BINARY
func isFound(dicari int) bool {
    found := false
    atas := 0
    bawah := N
    var tengah = 0
    for atas <= bawah && !found {
        tengah = (atas + bawah) / 2
        if dicari == data[tengah].count {
            found = true
        } else if dicari < data[tengah].count {
            tengah = tengah - 1
        } else {
            tengah = tengah + 1
        }
        atas++
    }
    return found
}
```

C:\Windows\System32\cmd.exe

```
C:\Users\ASUS\Music>go run a.go
Masukan data array count : 2 4 6 8 0 1 3 5 7 9
Masukan data array size : 2 4 6 8 0 1 3 5 7 9
Urutan array count = 0 1 2 3 4 5 6 7 8 9
Urutan array size = 9 8 7 6 5 4 3 2 1 0
Masukan angka yang mau dicari = 0
Angka yang dicari ada = true
Nama : Fahmi Razan Ramdani
NIM  : 1301194054

C:\Users\ASUS\Music>
```

Line 63, Column 12 Tab Size: 4 Go

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terdekat.go | latihan.go | pusing.go | a.go

```go
package main

import "fmt"

const N = 11

type sorting struct {
    count int
    size  int
}
type array [N]sorting

var data array

func main() {
    var ketemu bool
    cari := 0
    fmt.Print("Masukan data array count : ")
    i := 1
    //MEMASUKAN DATA KE DALAM ARRAY
    for i < N {
        fmt.Scan(&data[i].count)
        i++
    }
    fmt.Print("Masukan data array size : ")
    i = 1
    for i < N {
        fmt.Scan(&data[i].size)
        i++
    }
    isort()
    fmt.Printf("\n")
    msort()
    fmt.Printf("\n")
    fmt.Print("Masukan angka yang mau dicari = ")
    fmt.Scan(&cari)
    ketemu = isFound(cari)
    fmt.Printf("Angka yang dicari ada = %t\n", ketemu)
    fmt.Println("Nama : Fahmi Razan Ramdani")
    fmt.Println("NIM  : 1301194054")
}

//CARA INSERTION
func isort() {
    temp := 0
    i := 1
    for i < N {
        a := 1
        for a < N-1 {
            if data[a].count > data[a+1].count {
                data[temp] = data[a]
                data[a] = data[a+1]
                data[a+1] = data[temp]
            }
            a++
        }
        i++
    }
    fmt.Print("Urutan array count = ")
    j := 1
    for j < N {
        fmt.Printf("%v ", data[j].count)
        j++
    }
}

//CARA SELECTION
func msort() {
    max := 0
    temp := 0
    i := 1
    awal := 1
    for awal != N {
        i = awal
        for i != N {
            if data[i].size > data[max].size {
                max = i
            } else if i == awal {
                max = i
            }
            i++
        }
        data[temp] = data[awal]
        data[awal] = data[max]
        data[max] = data[temp]
        awal++
    }
    fmt.Print("Urutan array size = ")
    j := 1
    for j < N {
        fmt.Printf("%v ", data[j].size)
        j++
    }
}
```

C:\Windows\System32\cmd.exe

```
C:\Users\ASUS\Music>go run a.go
Masukan data array count : 2 4 6 8 0 1 3 5 7 9
Masukan data array size : 2 4 6 8 0 1 3 5 7 9
Urutan array count = 0 1 2 3 4 5 6 7 8 9
Urutan array size = 9 8 7 6 5 4 3 2 1 0
Masukan angka yang mau dicari = 0
Angka yang dicari ada = true
Nama : Fahmi Razan Ramdani
NIM  : 1301194054

C:\Users\ASUS\Music>
```

Line 63, Column 12 Tab Size: 4 Go

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