[KM4] 4 - Golang-Time Complexity & Space Complexity

m.rezahidayat.rh@gmail.com Switch account   ☁ Draft saved

* Required

Email *

m.rezahidayat.rh@gmail.com

Nama Lengkap *

Muhammad reza hidayat

Jenis time complexity dibawah merupakan jenis *

```
func sum(n int) int {
        result := 0
        for i := 0; i < 10; i++ {
                result += i
        }
        return result
}
```

- ◯ O log n
- ⦿ O(1)
- ◯ O(10)
- ◯ O(n)

Jenis time complexity dibawah merupakan jenis *

```
func sum(n int) int {
        result := 0
        for i := 0; i < n; i++ {
                result += i
        }
        return result
}
```

○ O (log n)

○ O(1)

◉ O(n^2)

○ O(n)

Jenis time complexity dibawah merupakan jenis *

```
func sum(n int) int {
        result := 0
        for i := n; i > 0; i-- {
                for j := 0; j < n; j++ {
                        result += i
                }
        }
        return result
}
```

○ O(n)

◉ O(n^2)

○ O(1)

○ O(2n)

Jenis space complexity dibawah merupakan jenis *

```
func sum(n []int) []int {
        result := []int{}
        for i := len(n); i > 0; i-- {
                result = append(result, i+10)
        }
        return result
}
```

◯ O(log n)

◯ O(2n)

◯ O(1)

⦿ O(n)

Jenis time complexity dibawah merupakan jenis *

```
func sum(n int) int {
        result := 0
        for i := n; i > 1; i /= 2 {
                result += i
        }
        return result
}
```

◯ O(n)

◯ O(1)

◯ O(n^2)

⦿ O(log n)

Submit   Clear form

Never submit passwords through Google Forms.

Google Forms   This form was created inside of alterra.   ⋮