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**BIG O NOTATION**

1. **O(N2)**

Contoh:

for (let i = 0; i < hotels.length; i++) {  
 for (let j = 0; j < hotels.length; j++) {  
 // kode untuk membandingkan satu harga dengan harga lainnya...  
 }  
}

1. **O(N)**

Contoh:

for (let i = 0; i < hotels.length; i++) {  
 // cari harga paling kecil...  
 // cari harga paling besar...

}

1. **O(1)**

Contoh:

const hotels = [  
 { price: 78, brand: "Las Vegas Beach Resort" },  
 { price: 180, brand: "Marvedes Resort" },  
 ...  
 ...  
 { price: 317, brand: "Moana" }  
]

1. **O(2n)**

Contoh:

Int fibonacci (int num)

{

If (num < 1 ) return um;

Retur Fibonacci (num -2) + Fibonacci (num -1);

}

1. Drop The Constant

Void PrintAllItemTunce ( int arr [], int size)

{

For (int i = 0;I < size; i++)

{

Printf(“d\n”), arr [i]);

}

for (int I = 0; i < size; i++)

{

Printf(“%d\n”, arr[i]);

}

1. **0(2n)/0(n**)

Void printFirstItemThenFirstHalfThenSayHi100Times(int arr [], int size)

{

Printf(Firstelementofarray=%d\n”>arr[0]);

For (int I = 0; i<size/2; i++)

{

Printf(“%d\n”, arr [i]);

}

for (int i=0;i<100,i++)

{

Printf(“Hi\n”);

}

}