

# Latihan Algoritma dan Numpy

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## Latihan 1: Array dengan Numpy

```
import numpy as np

# membuat array
nilai_siswa = np.array([85, 55, 40, 90])

# mengakses data pada array
print(nilai_siswa[3]) # Output: 90
```

## Latihan 2: Program Sederhana

```
print("Hello World!")
print("Nama saya Siti Nurcica")
print("NIM saya 2023071069")
```

## Latihan 3: Kondisional

```
if 5 > 2:
    print("Five is greater than two!")
```

## Latihan 4: Variabel

```
x = 5
y = "John"
print(x) # Output: 5
print(y) # Output: John
```

### Latihan 5: Notasi Big O (Mendapatkan Elemen Terakhir)

```
myList = [1, 2, 3, 4]
getLast = myList[-1]
print(getLast) # Output: 4
```

### Latihan 6: Fungsi Perkalian dan Pembagian

```
def getKali(myList):
    result = 1
    for num in myList:
        result *= num
    return result
```

```
def getBagi(myList):
    result = myList[0]
    for num in myList[1:]:
        result /= num
    return result
```

```
myList = [10, 5, 2]
print(getKali(myList)) # Output: 100
print(getBagi(myList)) # Output: 1.0
```