S1SE07-02

Tugas Pendahuluan Modul 1 STRUKTUR DATA - Ganjil 2024/2025

"Pengenalan C++: Subprogram & Array"

```
#include <iostream>

using namespace std;

int main(){
    string nama, nim;
    cout <<"Siapa nama anda? ";
    cin >> nama;
    cout << "Berapa nim anda? ";
    cin >> nim;
    cout << "Nama saya: " << nama << endl;
    return 0;
}</pre>
```

```
Siapa nama anda? Marvel
Berapa nim anda? 2311104053
Nama saya: Marvel
NIM saya: 2311104053

Process returned 0 (0x0) execution time: 8.750 s
Press any key to continue.
```

```
#include <iostream>
using namespace std;
int main(){
    int bil1 = 3, bil2 = 4, hasil1;
    float bil3 = 3.0, bil4 = 4.8, hasil2;
    hasil1 = bil1 + bil2;
    cout << hasil1 << endl;</pre>
    hasil1 = bil1 - bil2;
    cout << hasil1 << endl;</pre>
    hasil1 = bil1 * bil2;
    cout << hasil1 << endl;</pre>
    hasil1 = bil1 / bil2;
                             // integer division
    cout << hasil1 << endl;</pre>
                              // integer division
    hasil1 = bil2 / bil1;
    cout << hasil1 << endl;</pre>
    hasil1 = bil1 % bil2; // modulo
    cout << hasil1 << endl;</pre>
    hasil1 = bil2 % bil1; // modulo
    cout<< hasil1 << endl;</pre>
    hasil2 = bil3 / bil4;
    cout << hasil2 << endl;</pre>
    return 0;
}
```

```
#include <iostream>
using namespace std;
int main(){
    int bil1 = 2, bil2 = 3, hasil;
    hasil = bil1 > bil2;
    cout << hasil << endl;</pre>
    hasil = bil1 >= bil2;
    cout << hasil << endl;</pre>
    hasil = bil1 < bil2;</pre>
    cout << hasil << endl;</pre>
    hasil = bil1 <= bil2;</pre>
    cout << hasil << endl;</pre>
    hasil = bil1 == bil2;
    cout << hasil << endl;</pre>
    hasil = bil1 != bil2;
    cout << hasil << endl;</pre>
    return 0;
}
```

```
#include <iostream>
using namespace std;
int main(){
   int bil1 = 2, bil2 = 3, hasil;
   hasil = bil1 <= bil2 and bil1 < bil2;
   cout << hasil << endl;
   hasil = bil1 >= bil2 or bil1 < bil2;
   cout << hasil << endl;
   hasil = not(bil1 >= bil2) or bil1 < bil2;
   cout << hasil << endl;
   return 0;
}</pre>
```

```
#include <iostream>
using namespace std;
int main(){
   int nilai;
   cin >> nilai;
   if (nilai > 80) {
       cout << "A" << endl;
   } else {
      cout << "Bukan A" << endl;
   }
   return 0;
}</pre>
```

```
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\text{Bukan A} \\
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```

```
#include <iostream>
using namespace std;
int main(){
   int a, b, bilangan;
   cout << "Masukan batas bawah: ";
   cin >> a;
   cout << "Masukan batas atas: ";
   cin >> b;
   for (bilangan = a; bilangan <= b; bilangan++) {
        cout << "Bilangan " << bilangan << endl;
   }
   return 0;
}</pre>
```

```
Masukan batas bawah: 1
Masukan batas tas: 10
Bilangan 1
Bilangan 2
Bilangan 3
Bilangan 4
Bilangan 6
Bilangan 7
Bilangan 8
Bilangan 9
Bilangan 9
Bilangan 9
Bilangan 10

Process returned 0 (0x0) execution time: 13.161 s
Press any key to continue.
```

```
#include <iostream>
using namespace std;
int main(){
   int bilangan, asli, jumlah;

   cout << "Masukkan bilangan asli: ";
   cin >> asli;

   bilangan = 1;
   jumlah = 0;
   while (bilangan <= asli) {
        if (bilangan % 2 == 0) {
            jumlah += bilangan;
        }
        bilangan++;
    }
   cout << "Jumlah bilangan genap: " << jumlah << endl;
   return 0;
}</pre>
```