

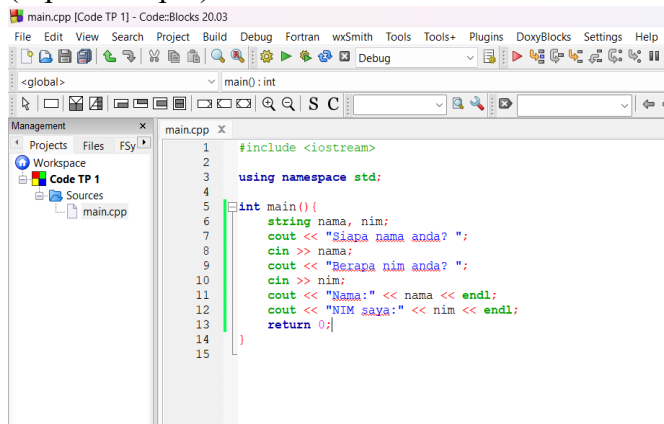
Nama : Rengganis Tantri Pramudita

NIM : 2311104065

Kelas : S1SE0702

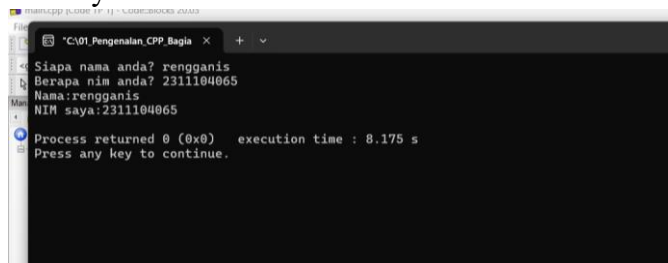
TP 1

1. (Input / Output)



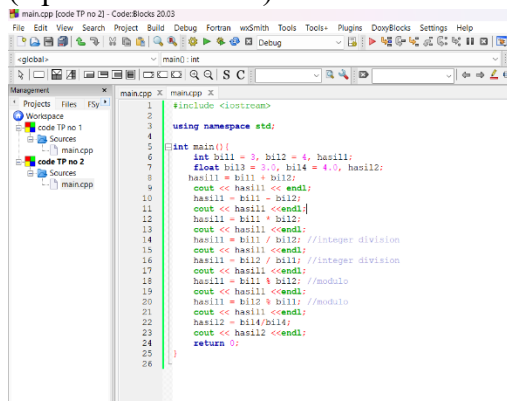
```
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     string nama, nim;
7     cout << "Siapa nama anda? ";
8     cin >> nama;
9     cout << "Berapa nim anda? ";
10    cin >> nim;
11    cout << "Nama:" << nama << endl;
12    cout << "NIM saya:" << nim << endl;
13    return 0;
14 }
15
```

Hasilnya:



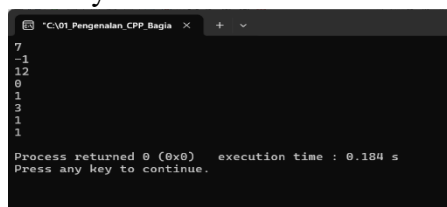
```
"C:\01_Pengenaln_CPP_Bagia" x + v
Siapa nama anda? rengganis
Berapa nim anda? 2311104065
Nama:rengganis
NIM saya:2311104065
Process returned 0 (0x0)   execution time : 8.175 s
Press any key to continue.
```

2. (Operasi Aritmatika)



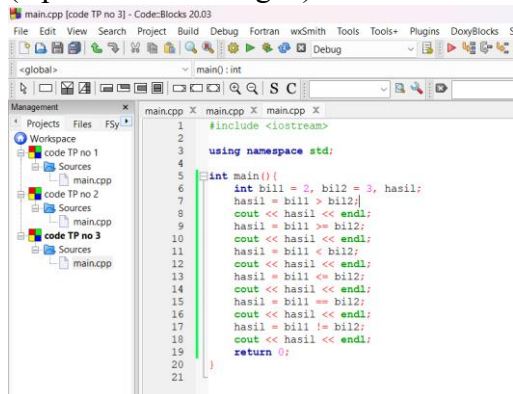
```
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int bil1 = 3, bil2 = 4, hasil1;
7     float bil3 = 3.0, bil4 = 4.0, hasil2;
8     hasil1 = bil1 * bil2;
9     cout << hasil1 << endl;
10    hasil1 = bil1 - bil2;
11    cout << hasil1 << endl;
12    hasil1 = bil1 * bil2;
13    cout << hasil1 << endl;
14    hasil1 = bil1 / bil2; //integer division
15    cout << hasil1 << endl;
16    hasil1 = bil2 / bil1; //integer division
17    cout << hasil1 << endl;
18    hasil1 = bil1 % bil2; //modulo
19    cout << hasil1 << endl;
20    hasil1 = bil2 % bil1; //modulo
21    cout << hasil1 << endl;
22    hasil2 = bil3 / bil4;
23    cout << hasil2 << endl;
24    return 0;
25 }
26
```

Hasilnya:



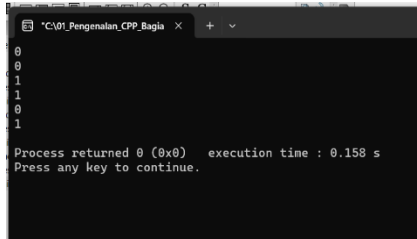
```
"C:\01_Pengenaln_CPP_Bagia" x + v
12
-1
12
3
1
1
1
0
1
1
0
Process returned 0 (0x0)   execution time : 0.184 s
Press any key to continue.
```

3. (Operasi Perbandingan)



```
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int bil1 = 2, bil2 = 2, hasil;
8     hasil = bil1 > bil2;
9     cout << hasil << endl;
10    hasil = bil1 < bil2;
11    cout << hasil << endl;
12    hasil = bil1 <= bil2;
13    cout << hasil << endl;
14    hasil = bil1 >= bil2;
15    cout << hasil << endl;
16    hasil = bil1 == bil2;
17    cout << hasil << endl;
18    hasil = bil1 != bil2;
19    cout << hasil << endl;
20    return 0;
21 }
```

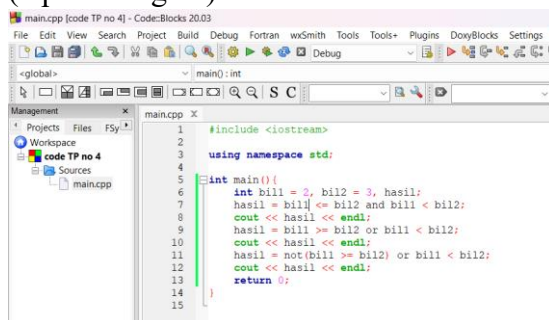
Hasilnya:



```
0
0
1
1
0
1

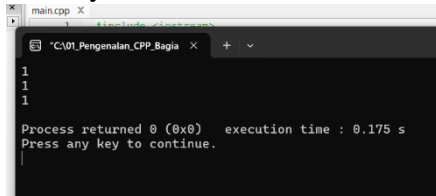
Process returned 0 (0x0)   execution time : 0.158 s
Press any key to continue.
```

4. (Operasi logika)



```
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int bil1 = 2, bil2 = 3, hasil;
8     hasil = bil1 && bil2 and bil1 < bil2;
9     cout << hasil << endl;
10    hasil = bil1 >= bil2 or bil1 < bil2;
11    cout << hasil << endl;
12    hasil = not(bil1 >= bil2) or bil1 < bil2;
13    cout << hasil << endl;
14    return 0;
15 }
```

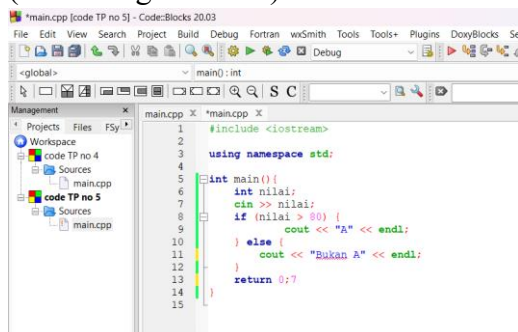
Hasilnya:



```
1
1
1

Process returned 0 (0x0)   execution time : 0.175 s
Press any key to continue.
```

5. (Percabangan if-else)



```
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     int nilai;
8     cin >> nilai;
9     if (nilai > 80) {
10         cout << "A" << endl;
11     } else {
12         cout << "Bukan A" << endl;
13     }
14     return 0;
15 }
```

Hasilnya:

- Input 80

```
*C:\01_Pengenal_CPP_Bagia x + v
80
Bukan A
Process returned 0 (0x0) execution time : 2.382 s
Press any key to continue.
```

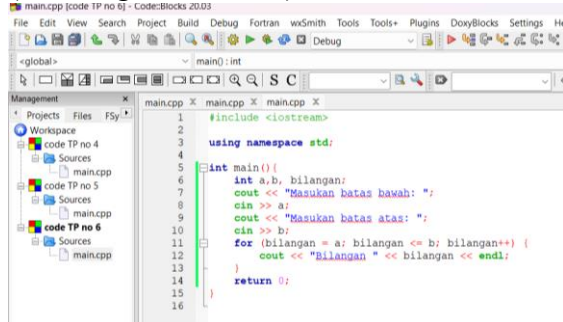
- Input 81

```
*C:\01_Pengenal_CPP_Bagia x + v
81
A
Process returned 0 (0x0) execution time : 22.703 s
Press any key to continue.
```

- Input 79

```
*C:\01_Pengenal_CPP_Bagia x + v
79
Bukan A
Process returned 0 (0x0) execution time : 1.572 s
Press any key to continue.
```

6. (Perulangan for-to-do)



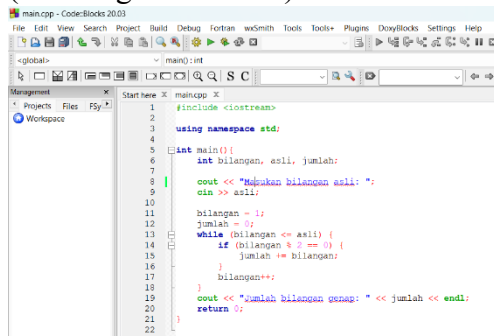
```
main.cpp | code TP no 5 | Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings He
<global> | main() : int
main.cpp x main.cpp x main.cpp x
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int a,b, bilangan;
7     cout << "Masukan batas bawah: ";
8     cin >> a;
9     cout << "Masukan batas atas: ";
10    cin >> b;
11    for (bilangan = a; bilangan <= b; bilangan++) {
12        cout << "Bilangan " << bilangan << endl;
13    }
14    return 0;
15 }
16
```

Hasilnya:

Input 1 dan 10

```
*C:\01_Pengenal_CPP_Bagia x + v
Masukan batas bawah: 1
Masukan batas atas: 10
Bilangan 1
Bilangan 2
Bilangan 3
Bilangan 4
Bilangan 5
Bilangan 6
Bilangan 7
Bilangan 8
Bilangan 9
Bilangan 10
Process returned 0 (0x0) execution time : 8.774 s
Press any key to continue.
```

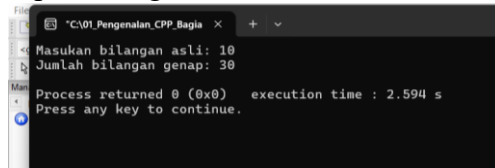
7. (Perulangan while-do)



```
main.cpp | code TP no 6 | Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools Tools+ Plugins DoxyBlocks Settings Help
<global> | main() : int
main.cpp x
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int bilangan, asli, jumlah;
7
8     cout << "Masukan bilangan asli: ";
9     cin >> asli;
10
11    bilangan = 1;
12    jumlah = 0;
13    while (bilangan <= asli) {
14        if (bilangan % 2 == 0) {
15            jumlah += bilangan;
16        }
17        bilangan++;
18    }
19    cout << "Jumlah bilangan genap: " << jumlah << endl;
20    return 0;
21 }
22
```

Hasilnya:

Input bilangan 10



```
*C:\01_Pengenalan_CPP_Bagia x + v
Masukan bilangan asli: 10
Jumlah bilangan genap: 30

Process returned 0 (0x0)   execution time : 2.594 s
Press any key to continue.
```