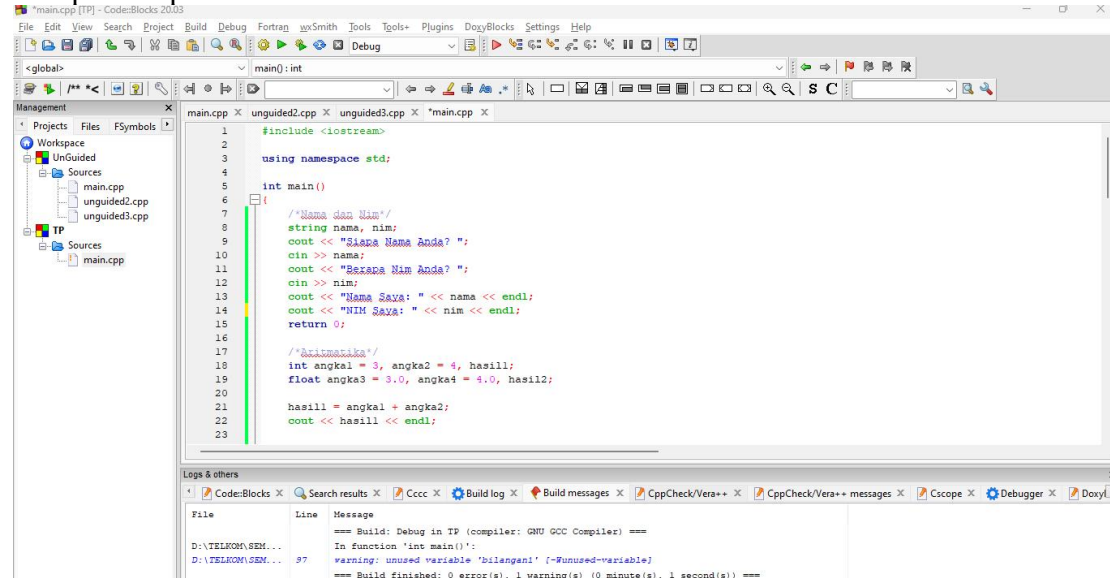


Nama : Yehuda Melvin Sugiarto
Kelas : S1SE-07-02
NIM : 2311104055

TP Modul 1

1. Input/Output Nama dan Nim

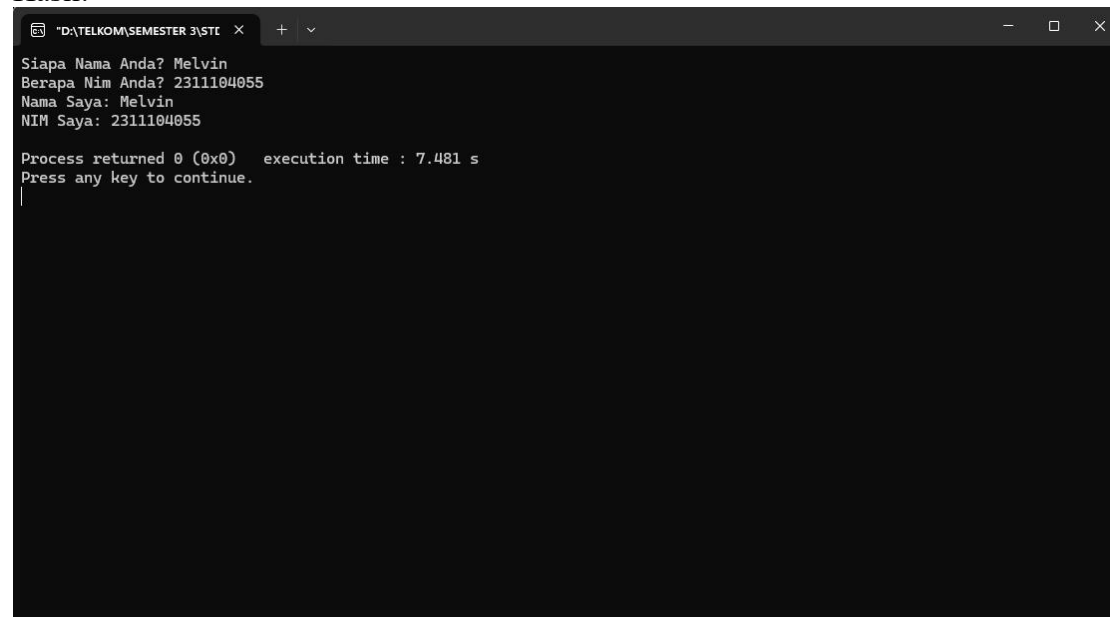


```
1 #include <iostream>
2
3 using namespace std;
4
5 int main()
6 {
7     /*Nama dan Nim*/
8     string nama, nim;
9     cout << "SIAPA Nama Anda? ";
10    cin >> nama;
11    cout << "Berapa Nim Anda? ";
12    cin >> nim;
13    cout << "Nama Saya: " << nama << endl;
14    cout << "NIM Saya: " << nim << endl;
15    return 0;
16
17    /*aritmatika*/
18    int angka1 = 3, angka2 = 4, hasil1;
19    float angka3 = 3.0, angka4 = 4.0, hasil2;
20
21    hasil1 = angka1 + angka2;
22    cout << hasil1 << endl;
23 }
```

Logs & others

File	Line	Message
=== Build: Debug in TP (compiler: GNU GCC Compiler) ===		
In function 'int main()':		
D:\TELKOM\SEM...	97	warning: unused variable 'bilangan1' [-Wunused-variable]
=== Build finished: 0 error(s), 1 warning(s) (0 minute(s), 1 second(s)) ===		

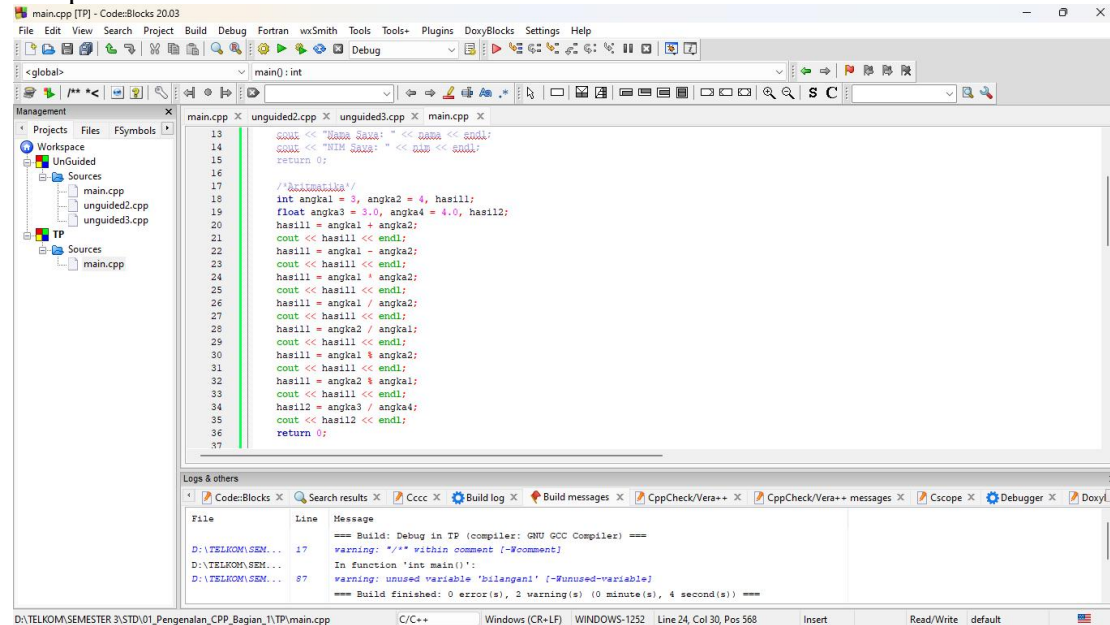
Hasil:



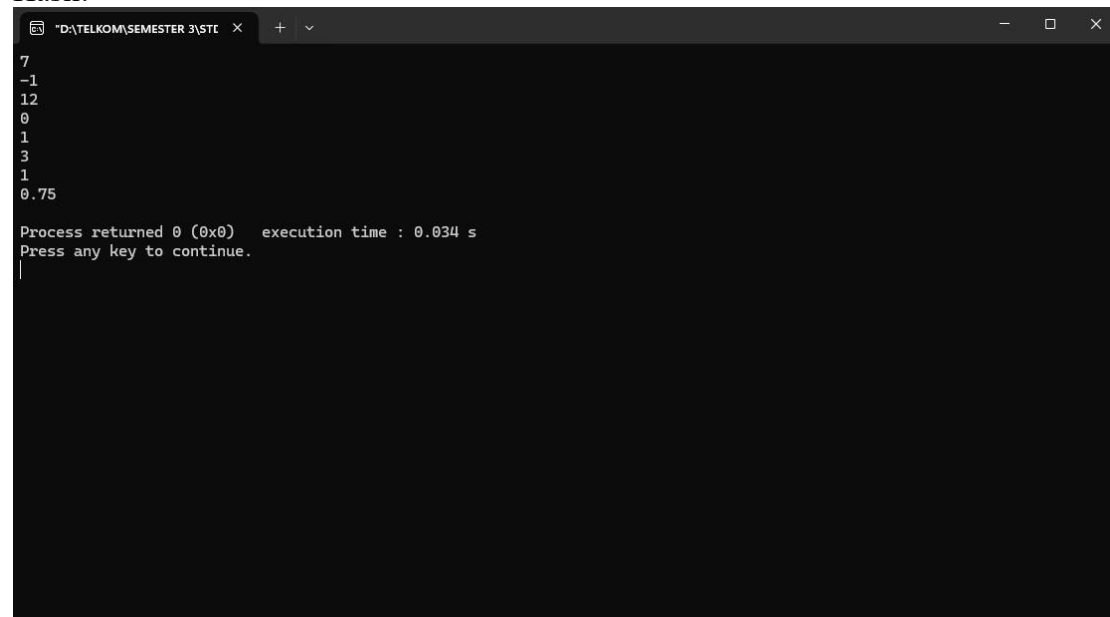
```
"D:\TELKOM\SEMESTER 3\STE" x + v
Siapa Nama Anda? Melvin
Berapa Nim Anda? 2311104055
Nama Saya: Melvin
NIM Saya: 2311104055

Process returned 0 (0x0)   execution time : 7.481 s
Press any key to continue.
```

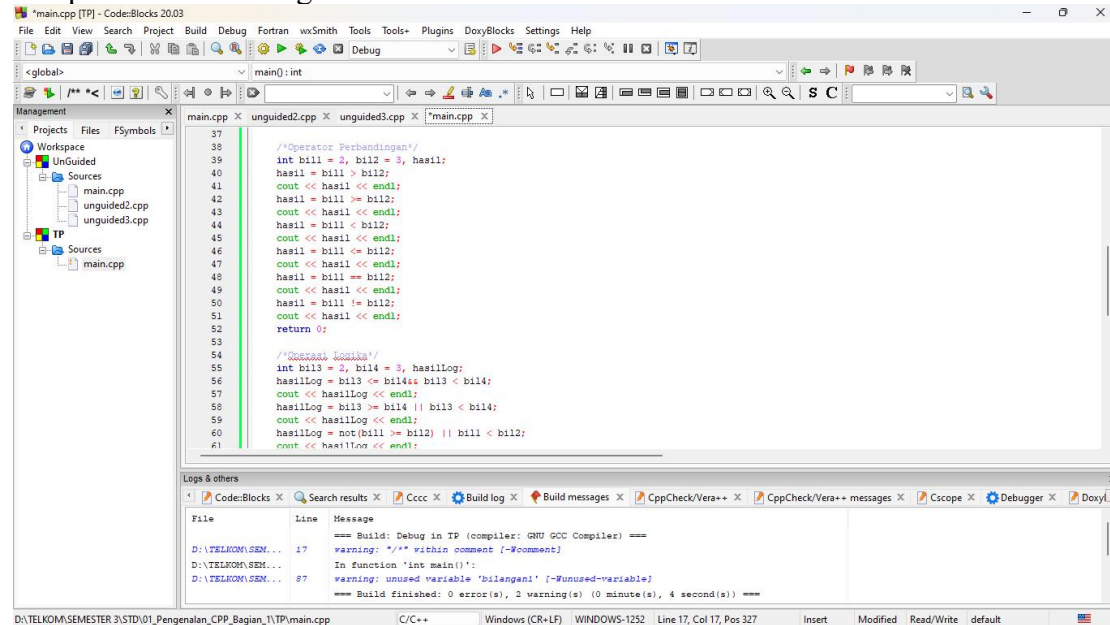
2. Operasi Aritmatika



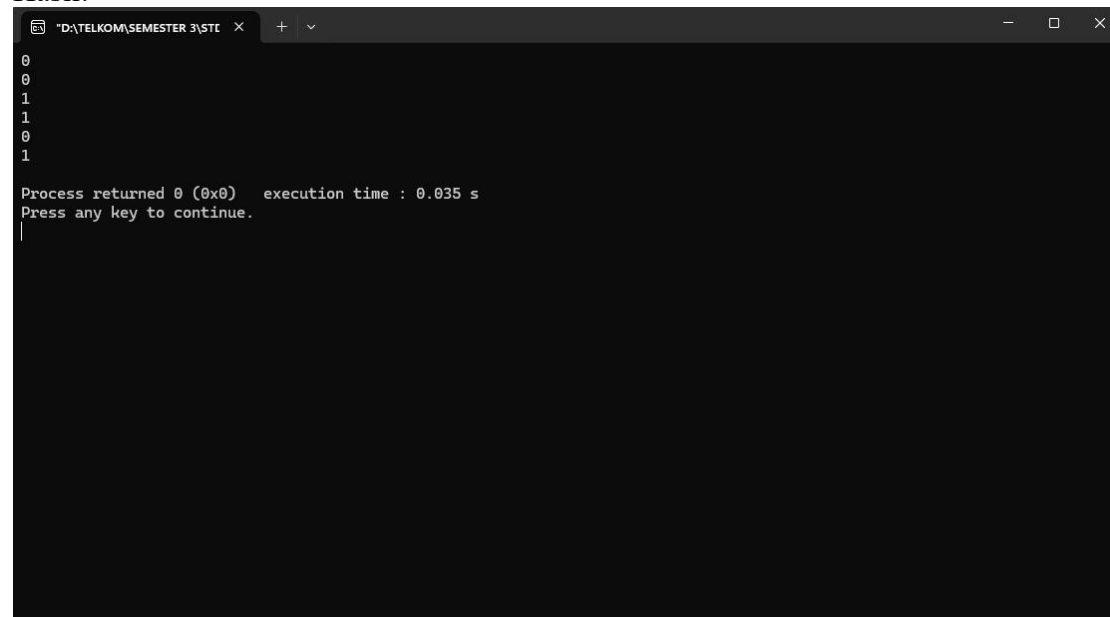
Hasil:



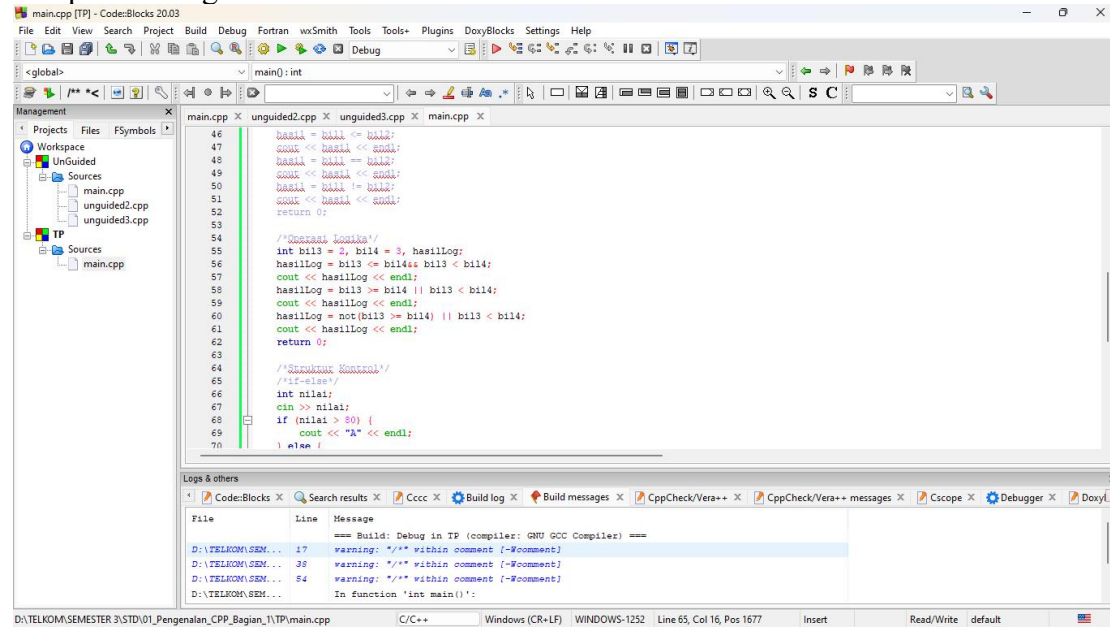
3. Operator Perbandingan



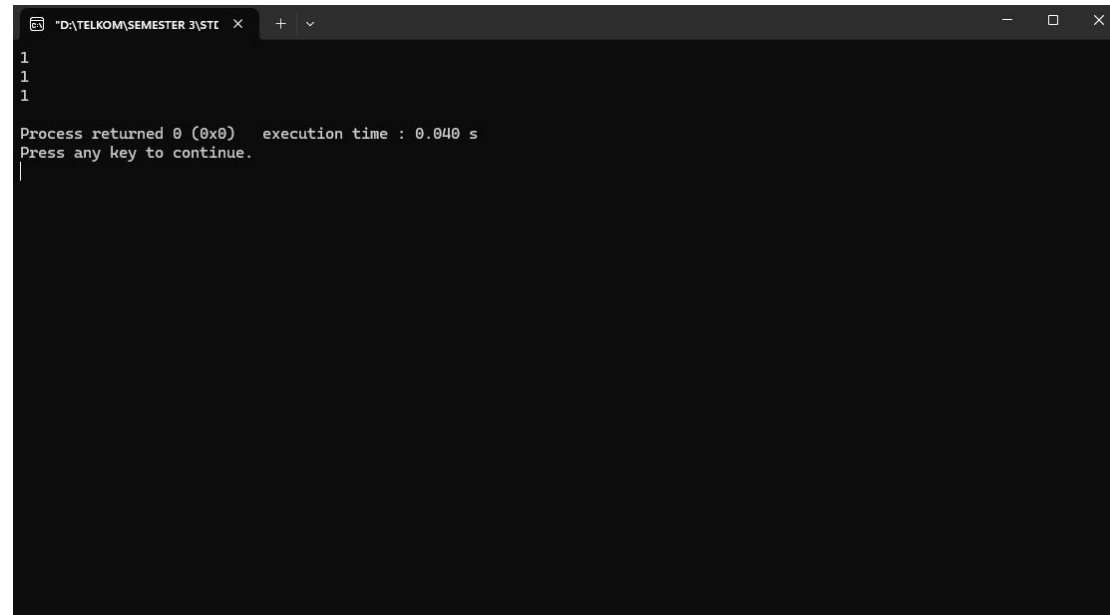
Hasil:



4. Operator Logika

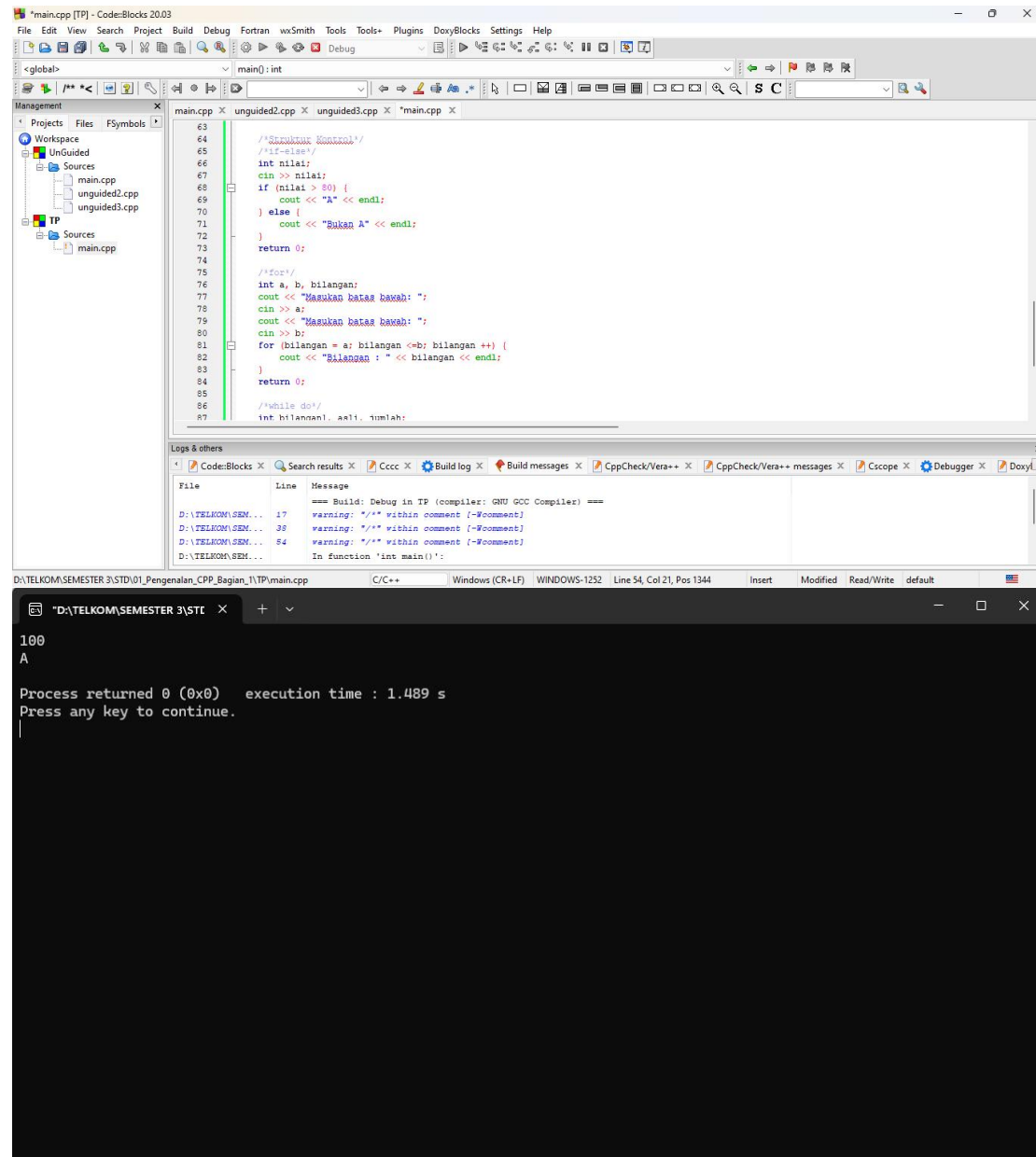


Hasil:



5. Struktur Kontrol

a. If Else



The screenshot displays the Code::Blocks IDE interface. The main editor window shows a C++ program with the following code:

```
63
64
65  /* Struktur Komentar */
66  // if-else */
67  int nilai;
68  cin >> nilai;
69  if (nilai > 80) {
70      cout << "A" << endl;
71  } else {
72      cout << "Bukan A" << endl;
73  }
74  return 0;
75
76  // for */
77  int a, b, bilangan;
78  cout << "Masukkan batas bawah: ";
79  cin >> a;
80  cout << "Masukkan batas atas: ";
81  cin >> b;
82  for (bilangan = a; bilangan <= b; bilangan++) {
83      cout << "Bilangan : " << bilangan << endl;
84  }
85  return 0;
86
87  // while do */
88  int bilangan1, a11, jumlah;
```

The 'Logs & others' window shows the following messages:

```
File      Line  Message
D:\TELKOM\SEMESTER 3\STD\01_Pengenalan_CPP_Bagian_1\TP\main.cpp 17  warning: /* */ within comment [-Wcomment]
D:\TELKOM\SEMESTER 3\STD\01_Pengenalan_CPP_Bagian_1\TP\main.cpp 38  warning: /* */ within comment [-Wcomment]
D:\TELKOM\SEMESTER 3\STD\01_Pengenalan_CPP_Bagian_1\TP\main.cpp 64  warning: /* */ within comment [-Wcomment]
D:\TELKOM\SEMESTER 3\STD\01_Pengenalan_CPP_Bagian_1\TP\main.cpp   In function 'int main()':
```

The terminal window shows the output of the program:

```
100
A
Process returned 0 (0x0)   execution time : 1.489 s
Press any key to continue.
```

```
"D:\TELKOM\SEMESTER 3\STI x + v - _ x
80
Bukan A

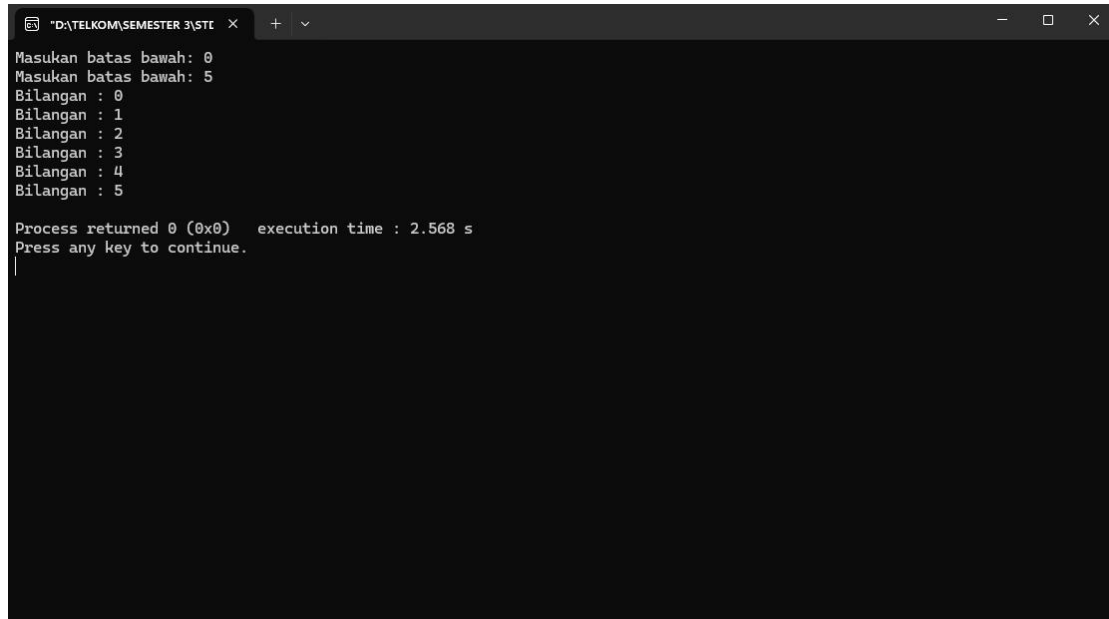
Process returned 0 (0x0)   execution time : 1.672 s
Press any key to continue.
```

b. For

The screenshot shows the Code::Blocks IDE with a C++ project named "main.cpp [TP]". The main window displays the source code of "main.cpp", which includes a for loop that prints numbers from 1 to 10. The console window at the bottom shows the output of the program, which is "1 2 3 4 5 6 7 8 9 10".

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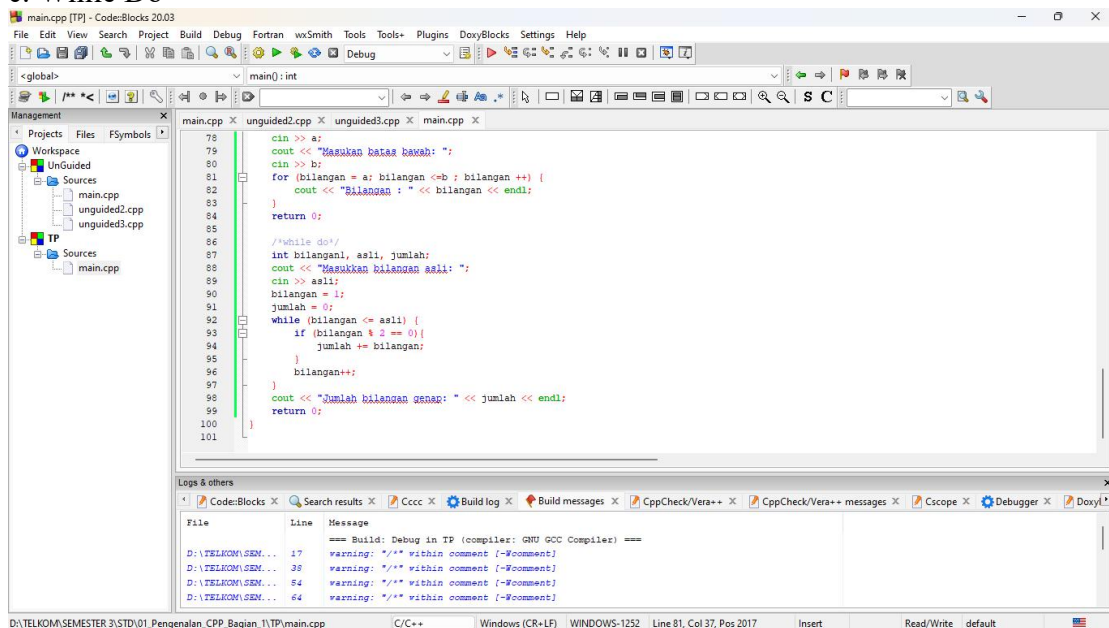
Hasil :



```
"D:\TELKOM\SEMESTER 3\STC" x + v
Masukan batas bawah: 0
Masukan batas bawah: 5
Bilangan : 0
Bilangan : 1
Bilangan : 2
Bilangan : 3
Bilangan : 4
Bilangan : 5

Process returned 0 (0x0)   execution time : 2.568 s
Press any key to continue.
```

c. While Do



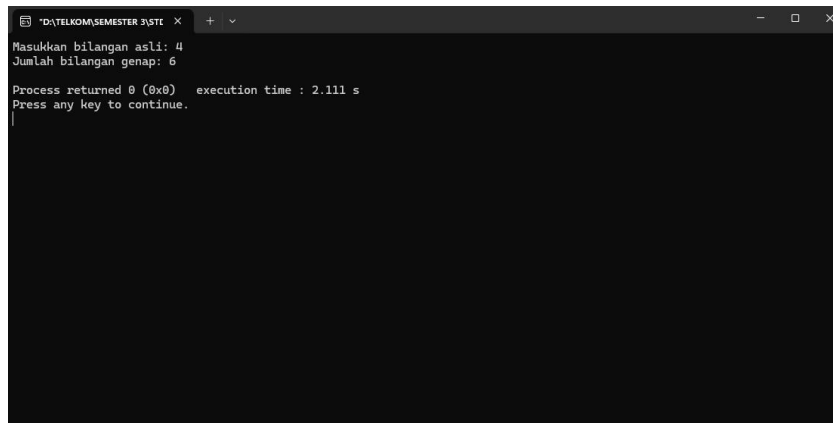
```
main.cpp x unguided2.cpp x unguided3.cpp x main.cpp x
78 cin >> a;
79 cout << "Masukan batas bawah: ";
80 cin >> b;
81 for (bilangan = a; bilangan <= b; bilangan++) {
82     cout << "Bilangan : " << bilangan << endl;
83 }
84 return 0;
85
86 /*while do*/
87 int bilangan1, asli, jumlah;
88 cout << "Masukkan bilangan asli: ";
89 cin >> asli;
90 bilangan = 1;
91 jumlah = 0;
92 while (bilangan <= asli) {
93     if (bilangan % 2 == 0) {
94         jumlah += bilangan;
95     }
96     bilangan++;
97 }
98 cout << "Jumlah bilangan genap: " << jumlah << endl;
99 return 0;
100
101 }
```

Log & others

File	Line	Message
=== Build: Debug in TP (compiler: GNU GCC Compiler) ===		
D:\TELKOM\SEM...	17	warning: /** within comment [-Wcomment]
D:\TELKOM\SEM...	38	warning: /** within comment [-Wcomment]
D:\TELKOM\SEM...	54	warning: /** within comment [-Wcomment]
D:\TELKOM\SEM...	64	warning: /** within comment [-Wcomment]

D:\TELKOM\SEMESTER 3\STD\01_Pengenalan_CPP_Bagian_1\TP\main.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 81, Col 37, Pos 2017 Insert Read/Write default

Hasil :



```
"D:\TELKOM\SEMESTER 3\STC" x + v
Masukkan bilangan asli: 4
Jumlah bilangan genap: 6

Process returned 0 (0x0)   execution time : 2.111 s
Press any key to continue.
```