

JAWABAN TUGAS PENDAHULUAN MODUL 1

1. Kode :

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

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\1.exe"
Siapa nama anda? Ihab_Hasanain_Akmal
Berapa nim anda? 103032330054
Nama saya :Ihab_Hasanain_Akmal
NIM saya: 103032330054

Process returned 0 (0x0)   execution time : 11.308 s
Press any key to continue.

"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3\Modul 1\1.exe"
Siapa nama anda? Ihab
Berapa nim anda? 103032330054
Nama saya :Ihab
NIM saya: 103032330054

Process returned 0 (0x0)   execution time : 6.067 s
Press any key to continue.
```

2. Kode :

```
2.cpp x
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;
15     cout << hasil1 << endl;
16     hasil1 = bil2 / bil1;
17     cout << hasil1 << endl;
18     hasil1 = bil1 % bil2;
19     cout << hasil1 << endl;
20     hasil1 = bil2 % bil1;
21     cout << hasil1 << endl;
22     hasil2 = bil3 / bil4;
23     cout << hasil2 << endl;
24     return 0;
25 }
26
```

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\2.exe"
7
-1
12
0
1
3
1
0.75

Process returned 0 (0x0)   execution time : 0.057 s
Press any key to continue.
```

3. Kode :

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

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\3.exe"
0
0
1
1
0
1

Process returned 0 (0x0)   execution time : 0.054 s
Press any key to continue.
```

4. Kode :

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

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\4.exe"
1
1
1

Process returned 0 (0x0)   execution time : 0.070 s
Press any key to continue.
```

5. Kode :

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

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\5.exe"
80
Bukan A

Process returned 0 (0x0)   execution time : 31.655 s
Press any key to continue.
```

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\5.exe"
81
A
Process returned 0 (0x0)   execution time : 2.546 s
Press any key to continue.

"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\5.exe"
79
Bukan A
Process returned 0 (0x0)   execution time : 3.037 s
Press any key to continue.
```

6. Kode :

```
6.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
```

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\6.exe"
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 : 228.241 s
Press any key to continue.
```

7. Kode :

```
7.cpp x
1  #include <iostream>
2
3  using namespace std;
4
5  int main(){
6      int bilangan, asli, jumlah;
7
8      cout << "Masukkan 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
```

Hasil :

```
"D:\Kuliah\Semester 3\Struktur Data\Source-Code-Smt-3-1\Modul 1\7.exe"
Masukkan bilangan asli: 10
Jumlah bilangan genap: 30

Process returned 0 (0x0)   execution time : 19.037 s
Press any key to continue.
```