

Jawaban Tugas Pendahuluan Modul 1

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Kelas : IT-48-05

Nomor 1

Kode:

```
tp1no1.cpp X
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 saya: " << nama << endl;
12    cout << "NIM saya: " << nim << endl;
13
14    return 0;
15 }
16
```

Output:

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR D
Siapa nama anda? Sheren_Aulia_Azahra
Berapa nim anda? 103032400036
Nama saya: Sheren_Aulia_Azahra
NIM saya: 103032400036

Process returned 0 (0x0) execution time : 28.939 s
Press any key to continue.
"
```

Nomor 2

Kode:

```
tp1no2.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
```

Ouput:

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR
7
-1
12
0
1
3
1
0.75

Process returned 0 (0x0)  execution time : 0.049 s
Press any key to continue.
```

Nomor 3

Kode:

```
tp1no3.cpp X
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int bill = 2, bil2= 3, hasil;
7     hasil = bill > bil2;
8     cout << hasil << endl;
9     hasil = bill >= bil2;
10    cout << hasil << endl;
11    hasil = bill < bil2;
12    cout << hasil << endl;
13    hasil = bill <= bil2;
14    cout << hasil << endl;
15    hasil = bill == bil2;
16    cout << hasil << endl;
17    hasil = bill != bil2;
18    cout << hasil << endl;
19
20 }
21
```

Output:

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR D
0
0
1
1
0
1

Process returned 0 (0x0)  execution time : 0.044 s
Press any key to continue.
```

Nomor 4

Kode:

```
tp1no4.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
14 }
15
```

Output:

```
Select "C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STR
1
1
1

Process returned 0 (0x0)  execution time : 0.046 s
Press any key to continue.
```

Nomor 5

Kode:

```
tp1no5.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 }
14 return 0;
15 }
```

Output:

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR DAT
80
Bukan A

Process returned 0 (0x0)    execution time : 7.920 s
Press any key to continue.
```

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR DAT
81
A

Process returned 0 (0x0)    execution time : 2.848 s
Press any key to continue.
```

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR DAT
79
Bukan A

Process returned 0 (0x0)    execution time : 3.016 s
Press any key to continue.
```

Nomor 6

Kode:

```
tp1no6.cpp x
1 #include <iostream>
2
3 using namespace std;
4
5 int main() {
6     int a, b, bilangan;
7     cout << "Masukkan batas bawah: ";
8     cin >> a;
9     cout << "Masukkan batas atas: ";
10    cin >> b;
11    for (bilangan = a; bilangan <= b; bilangan++) {
12        cout << "Bilangan " << bilangan << endl;
13    }
14    return 0;
15}
16
```

Output:

```
"C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR DATA"
Masukkan batas bawah: 1
Masukkan 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 : 4.636 s
Press any key to continue.
```

Nomor 7

Kode:

```
tp1no7.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
```

Output:

```
C:\Users\shere\OneDrive\TELKOM UNIVERSITY\SEMESTER 3\STRUKTUR DAT
Masukkan bilangan asli: 10
Jumlah bilangan genap: 30

Process returned 0 (0x0) execution time : 3.876 s
Press any key to continue.
```