Nama: Helmi Efendi Lubis

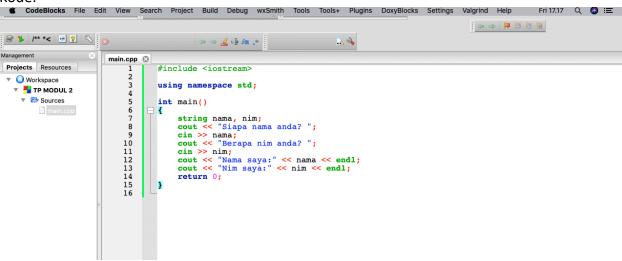
NIM : 1301223338

TP MODUL 2

1. Input/Output

a) Masukkan nama lengkap anda dan nim anda. Screenshot kode dan hasilnya, lalu tempelkan pada jawaban.

Kode:



Hasil:

```
Last login: Fri Sep 22 17:13:49 on ttys000
/Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Praktikum/TP\ M
ODUL\ 2/inputOutput ; exit;
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/inputOutput ; exit;
Siapa nama anda? HelmiEfendiLubis asilnya, lalu
Berapa nim anda? 1301223338
Nama saya:HelmiEfendiLubis
Nim saya:1301223338

[Process completed]
```

b) Masukkan nama pertama anda dan nim anda. Screenshot kode dan hasilnya, lalu tempelkan pada jawaban.

```
CodeBlocks File Edit View Search Project Build Debug wxSmith Tools Tools+ Plugins DoxyBlocks Settings Valgrind Help Fri 17.17 Q 😝 🖃
                                                                                                   [ ← → | P B B R
Management
                      main.cpp 🖸
 Projects Resources
                                 #include <iostream>
                          1 2
 using namespace std;
  TP MODUL 2
    ▼ Sources
                                 int main()
                                     string nama, nim;
                                     cout << "Siapa nama anda? ";
cin >> nama;
                         10
11
12
13
14
15
16
                                     cout << "Berapa nim anda? ";</pre>
                                     cout << "Nama saya:" << nama << endl;
cout << "Nim saya:" << nim << endl;
                                     return 0;
```

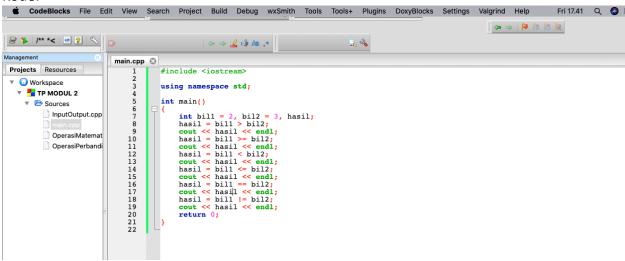
```
Last login: Fri Sep 22 17:14:00 on ttys000
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pro
ktikum/TP\ MODUL\ 2/inputOutput ; exit;
Siapa nama anda? Helmi
Berapa nim anda? 1301223338
Nama saya:Helmi
Nim saya:1301223338
```

2. Operasi Matematika

```
🔅 CodeBlocks File Edit View Search Project Build Debug wxSmith Tools Tools+ Plugins DoxyBlocks Settings Valgrind Help 🛙 Fri 17.28 Q 🔕 ≔
                                                                                                                                                                                                                                                                  (→ → | № 13 | 13 | 13
 main.cpp 🖸
  Projects Resources
                                                                                  #include <iostream>
   using namespace std;
      ▼ 5 TP MODUL 2
          Sources
                                                                                          imain()
int bill = 3, bil2 = 4, hasill;
float bil3 = 3.0, bil4 = 4.0, hasil2;
hasill = bil1 + bil2;
cout << hasill << endl;
hasill = bil1 + bil2;
cout << hasill << endl;
hasill = bil1 + bil2;
cout << hasill << endl;
hasill = bil1 + bil2;
cout << hasill << endl;
hasill = bil1 / bil2; // integer divis
cout << hasill << endl;
hasill = bil2 / bil1; // integer divis
cout << hasill << endl;
hasill = bil2 & bil1; // modulo
cout << hasill << endl;
hasill = bil2 & bil1; // modulo
cout << hasill << endl;
hasill = bil2 & bil1; // modulo
cout << hasill << endl;
hasil2 = bil3 / bil4;
cout << hasil1 << endl;
hasil2 = bil3 / bil4;
return 0;</pre>
                                                                 10
11
12
13
14
15
16
17
18
19
20
21
22
                                                                                                                                        .12;
end1;
i12; // integer division
                                                                                                                                           ndl;
1; // integer division
                                                                 23
24
25
                                                                                            return 0:
```

3. Operasi Perbandingan

Kode:



```
Last login: Fri Sep 22 17:26:31 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/operasiPerbandingan ; exit;
0
0
1
1
1
[Process completed]
```

4. Operasi Logika

Kode:

```
🔹 CodeBlocks File Edit View Search Project Build Debug wxSmith Tools Tools+ Plugins DoxyBlocks Settings Valgrind Help Fri 17.47 Q 🚷 ≔
                                                                                                                                                        (→ → | № 13 13 13
 ್ರ ಫಿ
Management
                                  main.cpp 🕲
 Projects Resources
                                                 #include <iostream>
  ▼ 🕡 Workspace
                                                 using namespace std;
    TP MODUL 2
                                             int main()
      Sources
                                                      int bil1 = 2, bil2 = 3, hasil;
hasil = bil1 <= bil2 and bil1 < bil2;
cout << hasil << endl;
hasil = bil2 or bil1 < bil2;
cout << hasil << endl;
hasil = not (bil1 >= bil2) or bil1 < bil2;
cout << hasil << endl;
hasil = not (bil1 >= bil2) or bil1 < bil2;
cout << hasil << endl;
return 0;</pre>
            InputOutput.cpp
            OperasiLogika.cr
                                      10
11
12
13
14
15
16
            OperasiMatemat
            OperasiPerbandi
```

Hasil:

```
Last login: Fri Sep 22 17:36:50 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/operasiLogika ; exit;
1
1
[Process completed]
```

Penggunaan struktur control

5. Percabangan if-else

Kode:

```
Last login: Fri Sep 22 20:22:58 on ttys000
/Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Praktikum/TP\ M
ODUL\ 2/percabangan ; exit;
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/percabangan ; exit;
80
Bukan A

[Process completed]
```

```
Last login: Fri Sep 22 20:23:05 on ttys001
/Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Praktikum/TP\ M
ODUL\ 2/percabangan ; exit;
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/percabangan ; exit;
81
A
[Process completed]
```

```
Last login: Fri Sep 22 20:24:16 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/percabangan ; exit;
79
Bukan A

[Process completed]
```

6. Perulangan for-to-do

```
Last login: Fri Sep 22 20:25:01 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/perulangan ; exit;
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 completed]
```

7. Perulangan while-do

```
Last login: Fri Sep 22 20:41:32 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/perulanganwhile ; exit;
Masukkan bilangan asli: 10
Jumlah bilangan genap: 30
[Process completed]
```

8. Fungsi

Kode:

```
Last login: Fri Sep 22 20:47:54 on ttys001
/Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Praktikum/TP\ M
ODUL\ 2/fungsi ; exit;
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/fungsi ; exit;
Masukkan kapasitas kendaraan: 45
Masukkan jumlah penumpang: 40
Banyak kendaraan yang disewa 1

[Process completed]
```

```
Last login: Fri Sep 22 20:55:55 on ttys001
/Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Praktikum/TP\ M
ODUL\ 2/fungsi ; exit;
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/fungsi ; exit;
Masukkan kapasitas kendaraan: 45
Masukkan jumlah penumpang: 50
Banyak kendaraan yang disewa 2
[Process completed]
```

9. Prosedur

Kode:

```
Last login: Fri Sep 22 20:56:53 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/prosedur ; exit;
Masukkan bilangan pertama: 1
Masukkan bilangan kedua: 2
Sebelum pertukaran:
Bil 1: 1 bil 2: 2
Setelah pertukaran:
Bil 1: 2 bil 2: 1

[Process completed]
```

10. Array

Kode:

```
Last login: Fri Sep 22 21:02:24 on ttys001
mac@192 ~ % /Users/mac/Documents/COOLYEAH/KULIAH\ SEMESTER\ 3/Struktur\ Data/Pra
ktikum/TP\ MODUL\ 2/array ; exit;
1
4
5
10
[Process completed]
```