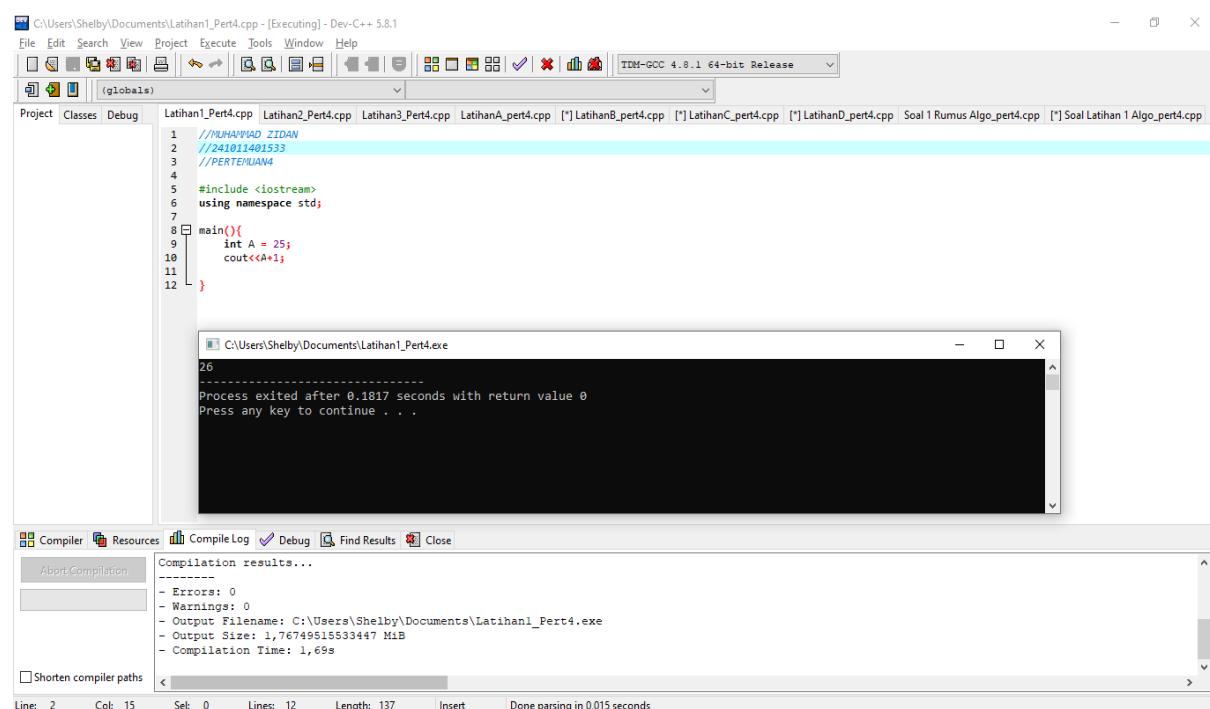


Nama : Muhammad Zidan
Nim : 241011401533
Kelas : 01TPLP041
Matkul : Algoritma dan Pemograman

Latihan 1



The screenshot shows the Dev-C++ IDE interface. The main window displays a code editor with the following C++ code:

```
1 //MUHAMMAD_ZIDAN
2 //241011401533
3 //PERTEMUAN4
4
5 #include <iostream>
6 using namespace std;
7
8 int main()
9 {
10     int A = 25;
11     cout<<A+1;
12 }
```

Below the code editor is a terminal window showing the execution results:

```
C:\Users\Shelby\Documents\Latihan1_Pert4.exe
26
Process exited after 0.1817 seconds with return value 0
Press any key to continue . . .
```

At the bottom of the IDE, the compiler output window shows:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Shelby\Documents\Latihan1_Pert4.exe
- Output Size: 1,76749515533447 MiB
- Compilation Time: 1,69s
```

Information at the bottom of the IDE includes: Line: 2 Col: 15 Sel: 0 Lines: 12 Length: 137 Insert Done parsing in 0,015 seconds.

Latihan 1

Latihan 1

Latihan 2

The screenshot shows the Dev-C++ IDE interface. The code editor window displays a file named Latihan2_Pert4.cpp with the following content:

```
1 //MAHAPPAD ZIDAN
2 //241011401533
3 //PERTERUJAWA
4
5 #include <iostream>
6 using namespace std;
7
8 int main(){
9     int A = 25;
10    cout<<A+1;
11 }
12 }
```

The output window shows the execution results:

```
C:\Users\Shelby\Documents\Latihan2_Pert4.exe
26
Process exited after 0.3094 seconds with return value 0
Press any key to continue . . .
```

The compiler results window shows:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Shelby\Documents\Latihan2_Pert4.exe
- Output Size: 1,76749515533447 MiB
- Compilation Time: 1,88s
```

Latihan 3

The screenshot shows the Dev-C++ IDE interface. The code editor window displays a file named Latihan3_Pert4.cpp with the following content:

```
1 //MAHAPPAD ZIDAN
2 //241011401533
3 //PERTERUJAWA
4
5 #include <iostream>
6 using namespace std;
7
8 int main(){
9     int A = 25;
10    cout<<A;
11 }
12 }
```

The output window shows the execution results:

```
C:\Users\Shelby\Documents\Latihan3_Pert4.exe
25
Process exited after 0.4504 seconds with return value 0
Press any key to continue . . .
```

The compiler results window shows:

```
Compilation results...
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Shelby\Documents\Latihan3_Pert4.exe
- Output Size: 1,76749515533447 MiB
- Compilation Time: 1,77s
```

Latihan 4

The screenshot shows the Dev-C++ IDE interface. The code editor window displays a file named `LatihanA_pert4.cpp` with the following content:

```
1 //MUHAMMAD ZIDAN
2 //241011401533
3 //PERTEMUAN4
4
5 #include <iostream>
6 using namespace std;
7
8 int main(){
9     int A = 5;
10    cout<<A*2<<endl;
11    cout<<A;
12 }
```

The output window shows the execution results:

```
7
5
Process exited after 0.2743 seconds with return value 0
Press any key to continue . . .
```

The compiler results window shows the following compilation information:

```
Compiling...
-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Shelby\Documents\LatihanA_pert4.exe  
- Output Size: 1,76749515533447 MiB  
- Compilation Time: 1,66s
```

Latihan B

The screenshot shows the Dev-C++ IDE interface. The code editor window displays a file named `LatihanB_pert4.cpp` with the following content:

```
1 //MUHAMMAD ZIDAN
2 //241011401533
3 //PERTEMUAN4
4
5 #include <iostream>
6 using namespace std;
7
8 int main(){
9     int A , B;
10    A= 5, B= 2;
11    A= B;
12    cout<<A <<endl;
13    cout<<B;
14 }
```

The output window shows the execution results:

```
2
2
Process exited after 0.2334 seconds with return value 0
Press any key to continue . . .
```

The compiler results window shows the following compilation information:

```
Compiling...
-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\Shelby\Documents\LatihanB_pert4.exe  
- Output Size: 1,76749515533447 MiB  
- Compilation Time: 1,70s
```

Latihan C

The screenshot shows the Dev-C++ IDE interface. The main window displays a C++ source code file named `LatihanC_pert4.cpp`. The code contains a main function that calculates the value of $C = A - B$ where $A = 7$ and $B = (A/2)^2$. The output window shows the program's execution results, including the calculated value of C and the compilation statistics.

```
1 //MUHAMMAD ZIDAN
2 //241011401533
3 //PERTEHUAIAN4
4
5 #include <iostream>
6 using namespace std;
7
8 int main(){
9     int A , B, C;
10    A= 7;
11    B= (A/2)*2;
12    C= A-B;
13    cout<<C;
14 }
```

```
1 -----
Process exited after 0.1536 seconds with return value 0
Press any key to continue . . .

Compiler Resources
Abort Compilation
Shorten compiler paths

Line: 1 Col: 7 Sel: 0 Lines: 14 Length: 169 Insert Done parsing in 0,016 seconds
```

Latihan D

The screenshot shows the Dev-C++ IDE interface. The main window displays a C++ source code file named `LatihanD_pert4.cpp`. The code contains a main function that initializes variables A , B , and X to 5, 2, and 1 respectively, and then prints their values using `cout`. The output window shows the program's execution results, including the printed values and the compilation statistics.

```
1 //MUHAMMAD ZIDAN
2 //241011401533
3 //PERTEHUAIAN4
4
5 #include <iostream>
6 using namespace std;
7
8 int main(){
9     int A = 5 , B = 2, X;
10    X= A;
11    A= B;
12    B= X;
13    cout<<A <<endl;
14    cout<<B;
15 }
```

```
1
2
3
4
5 -----
Process exited after 0.4237 seconds with return value 0
Press any key to continue . . .

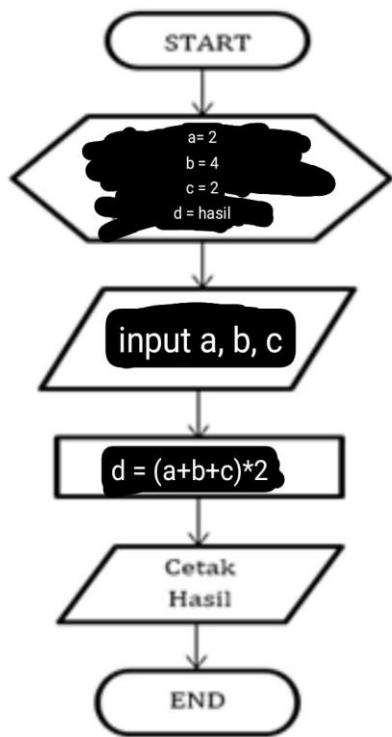
Compiler Resources
Abort Compilation
Compile
- Errors
- Warnings
- Outputs
- Output
- Compiler Statistics
Shorten compiler paths

Line: 1 Col: 17 Sel: 0 Lines: 15 Length: 184 Insert Done parsing in 0,031 seconds
```

Soal

Buatlah suatu flowchart dari pernyataan matematika berikut dan Tulis pernyataan matematika berikut dalam bentuk pemrograman:

$$(A + B + C) * 2$$



C:\Users\Shelby\Documents\LatihanD_pert4.cpp - [Executing] - Dev-C++ 5.8.1

File Edit Search View Project Execute Tools Window Help

TDM-GCC 4.8.1 64-bit Release

Project Classes Debug Latihan1_Pert4.cpp Latihan2_Pert4.cpp Latihan3_Pert4.cpp LatihanA_pert4.cpp LatihanB_pert4.cpp LatihanC_pert4.cpp LatihanD_pert4.cpp Soal 1 Rumus Algo_pert4.cpp [*] Soal Latihan 1 Algo_pert4.cpp

(globals)

```
1 //MUHAMMAD ZIDAN
2 //241011401533
3 //PERTEMUAN4
4
5 #include <iostream>
6 using namespace std;
7
8 main()
9 {
10     int A = 5 , B = 2, X;
11     X= A;
12     A= B;
13     B= X;
14     cout<<A <<endl;
15     cout<<B;
}
```

C:\Users\Shelby\Documents\LatihanD_pert4.exe

z
5

Process exited after 0.4237 seconds with return value 0
Press any key to continue . . .

Compiler Resources

Abort Compilation

Compil

- Error
- Warn
- Outp
- Outp
- Comp

Shorten compiler paths

Line: 1 Col: 17 Sel: 0 Lines: 15 Length: 184 Insert Done parsing in 0,031 seconds

C:\Users\Shelby\Documents\Soal Latihan 1 Algo_pert4.cpp - [Executing] - Dev-C++ 5.8.1

File Edit Search View Project Execute Tools Window Help

TDM-GCC 4.8.1 64-bit Release

Project Classes Debug Latihan1_Pert4.cpp Latihan2_Pert4.cpp Latihan3_Pert4.cpp LatihanA_pert4.cpp LatihanB_pert4.cpp LatihanC_pert4.cpp LatihanD_pert4.cpp Soal 1 Rumus Algo_pert4.cpp Soal Latihan 1 Algo_pert4.cpp

(globals)

```
1 //MUHAMMAD ZIDAN
2 //241011401533
3 //PERTEMUAN4
4
5 #include <iostream>
6 using namespace std;
7
8 main()
9 {
10     { int a, b, e, r, u;
11     a=1;
12     b=5;
13     e=0;
14     r=8;
15     u=a*b-e*r;
16     cout<<u;
}
```

C:\Users\Shelby\Documents\Soal Latihan 1 Algo_pert4.exe

13

Process exited after 0.3824 seconds with return value 0
Press any key to continue . . .

Compiler Resources

Abort Compilation

Compil

- Error
- Warn
- Outp
- Outp
- Comp

Shorten compiler paths

Line: 1 Col: 17 Sel: 0 Lines: 16 Length: 174 Insert Done parsing in 0,016 seconds