

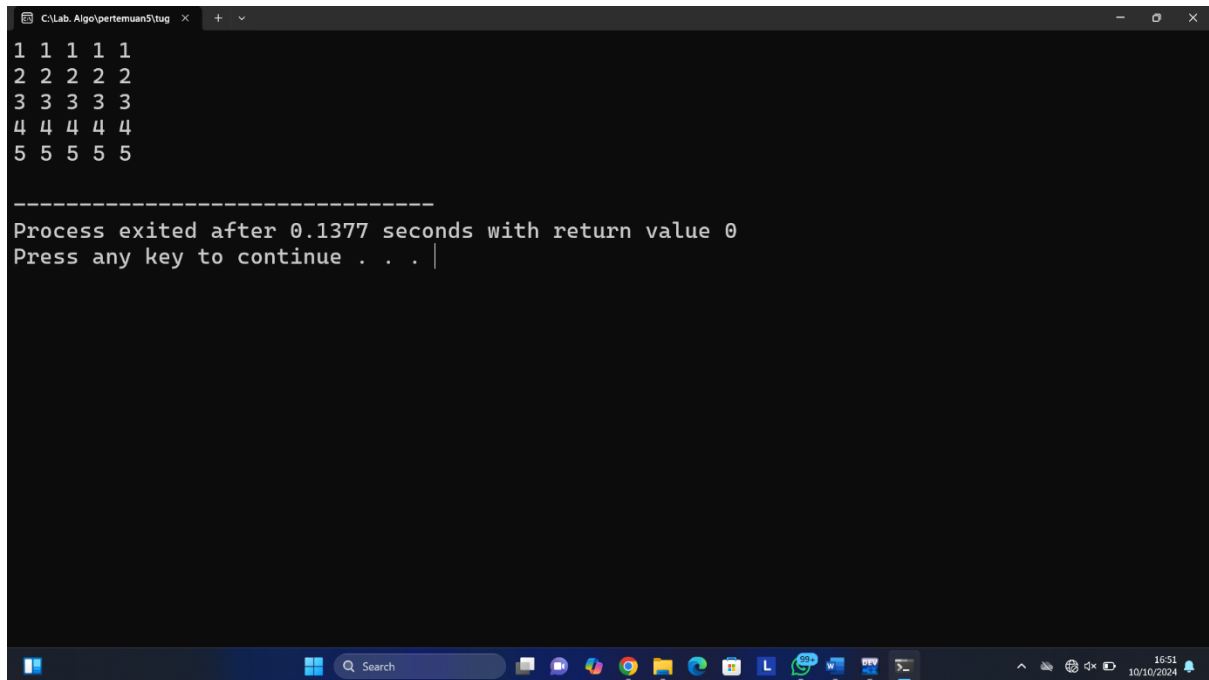
## TUGAS PERTEMUAN 5

Nama : Martin Caesar Partogi

NPM : 242310034

Kelas : TI-24-PA2

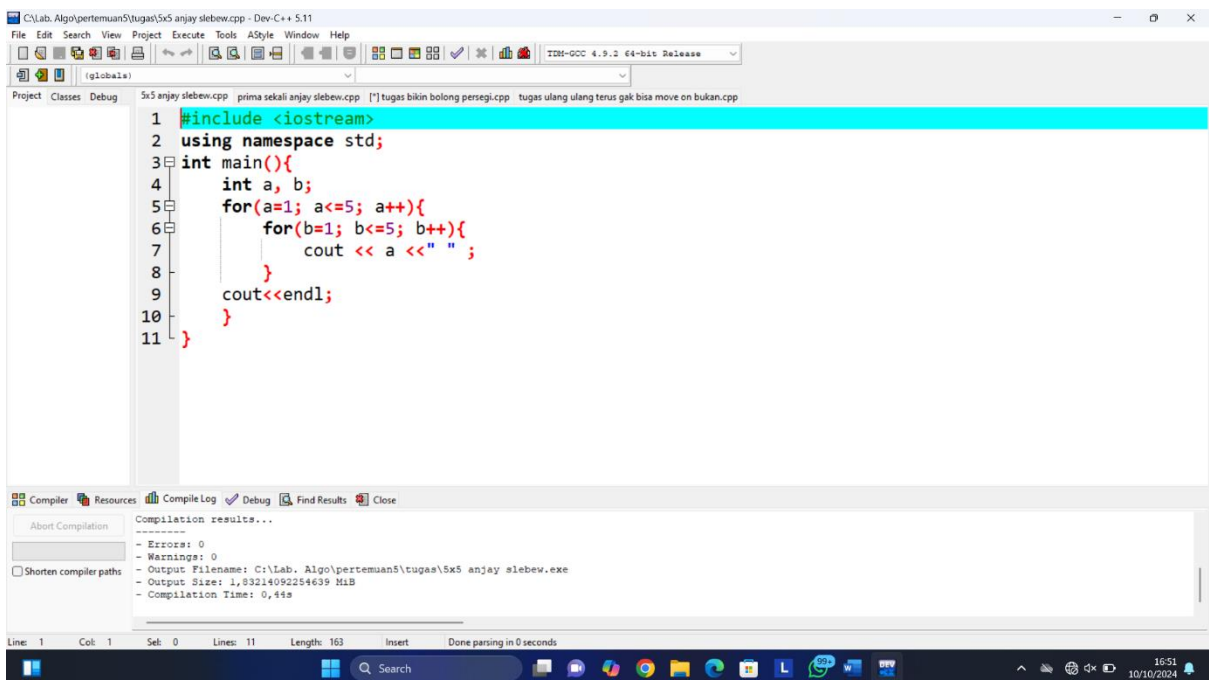
### Screenshoot OUTPUT 5x5



```
C:\Lab. Algo\pertemuan5\tug... + v
1 1 1 1 1
2 2 2 2 2
3 3 3 3 3
4 4 4 4 4
5 5 5 5 5

-----
Process exited after 0.1377 seconds with return value 0
Press any key to continue . . . |
```

### Screenshoot CODING 5x5

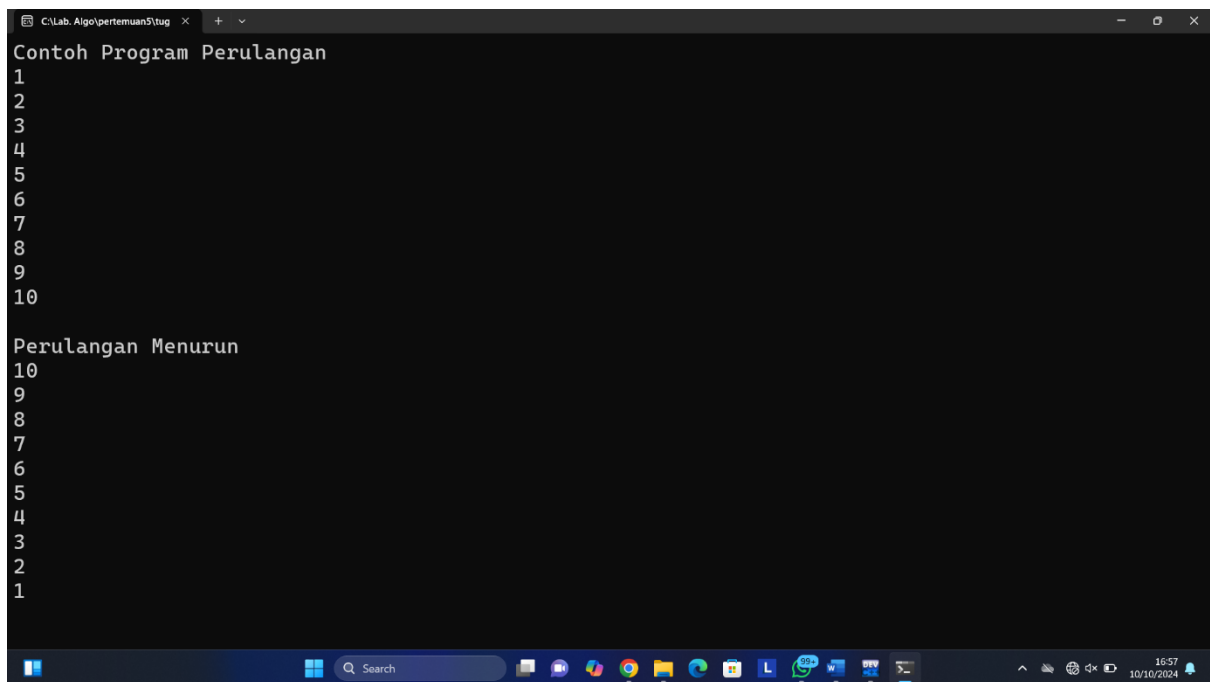


```
1 #include <iostream>
2 using namespace std;
3 int main(){
4     int a, b;
5     for(a=1; a<=5; a++){
6         for(b=1; b<=5; b++){
7             cout << a << " ";
8         }
9         cout<<endl;
10    }
11 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Lab. Algo\pertemuan5\tugas\5x5 anjay slebew.exe
- Output Size: 1,83214092254639 KiB
- Compilation Time: 0,44s

## Screenshoot OUTPUT PENURUNAN ANGKA

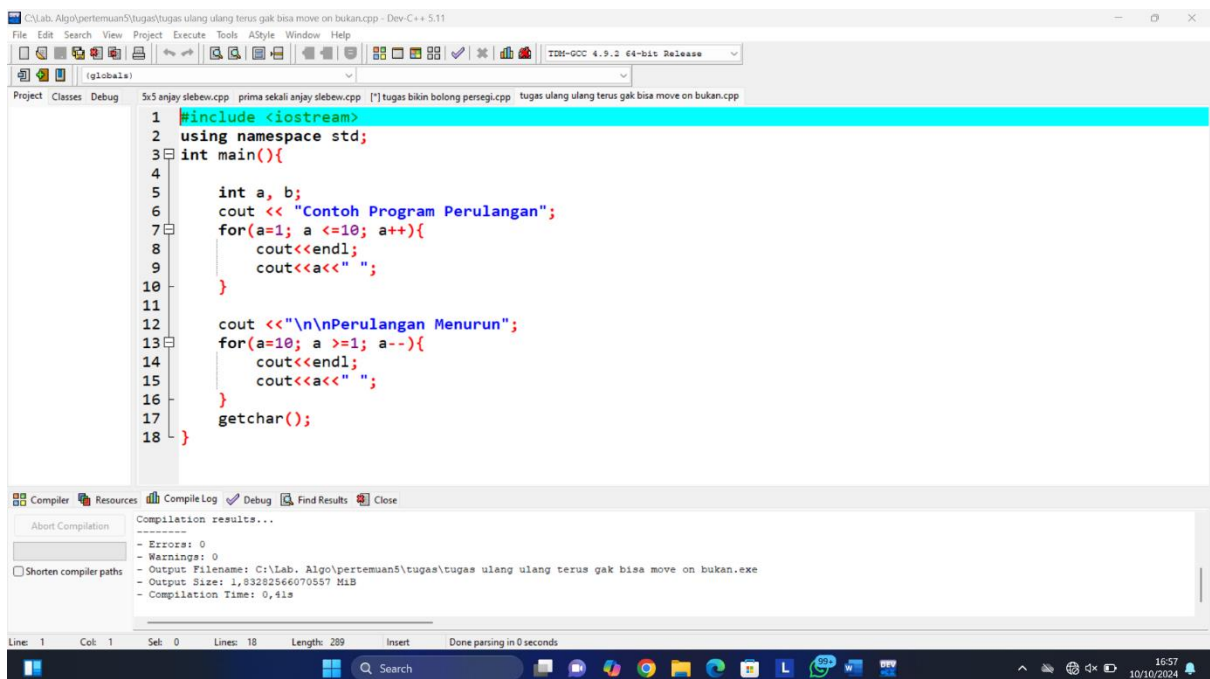


The screenshot shows a C++ program output in a dark-themed window. The title bar indicates the file path is C:\Lab. Algoritma\pertemuan5\tug. The output is divided into two sections: 'Contoh Program Perulangan' and 'Perulangan Menurun'. The first section displays numbers 1 through 10 on separate lines. The second section displays numbers 10 down to 1 on separate lines.

```
Contoh Program Perulangan
1
2
3
4
5
6
7
8
9
10

Perulangan Menurun
10
9
8
7
6
5
4
3
2
1
```

## Screenshoot CODING PENURUNAN ANGKA



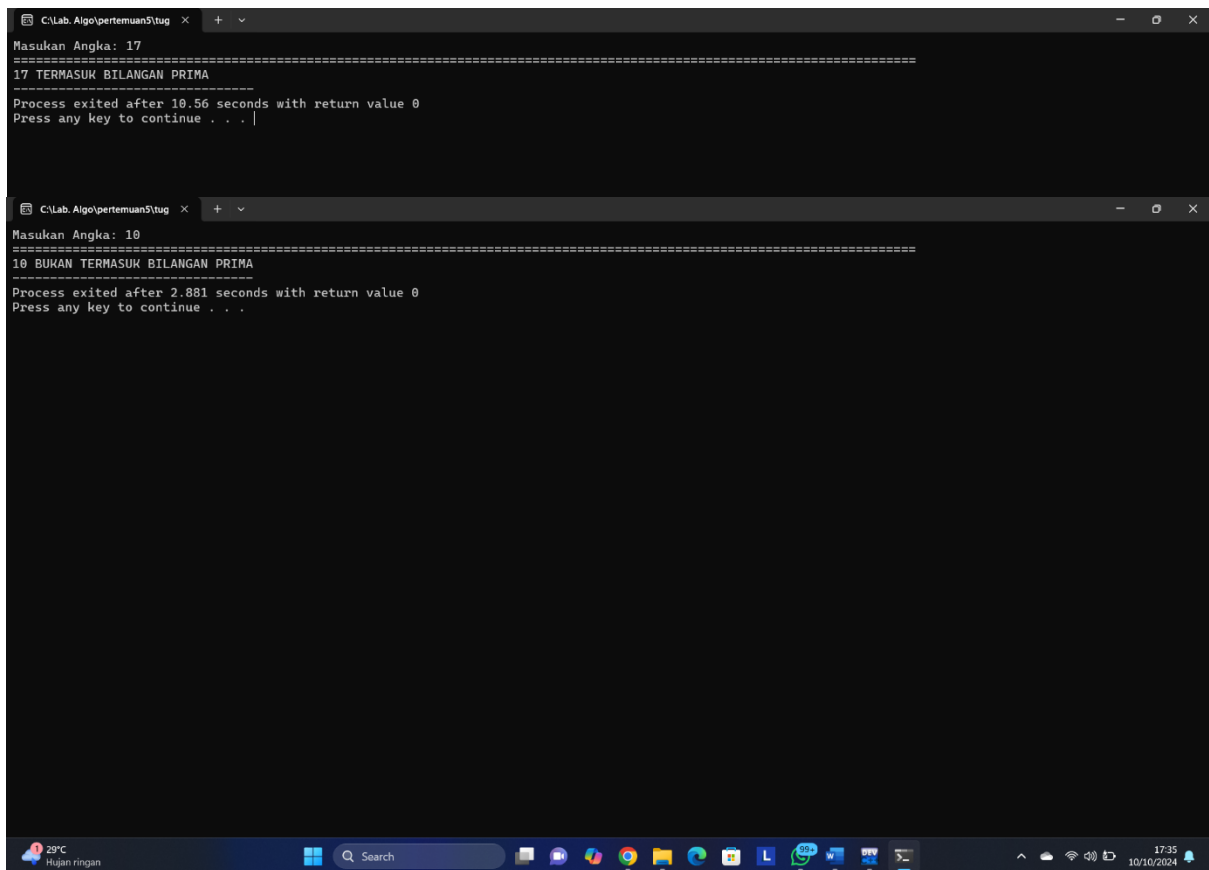
The screenshot shows the source code of a C++ program in the Dev-C++ IDE. The code includes headers, namespace declarations, and two for loops. The first loop prints numbers 1 to 10, and the second loop prints numbers 10 down to 1. The IDE interface includes a menu bar, toolbar, project explorer, and a compiler output window at the bottom showing successful compilation results.

```
1 #include <iostream>
2 using namespace std;
3 int main(){
4
5     int a, b;
6     cout << "Contoh Program Perulangan";
7     for(a=1; a <=10; a++){
8         cout<<endl;
9         cout<<a<<" ";
10    }
11
12    cout << "\n\nPerulangan Menurun";
13    for(a=10; a >=1; a--){
14        cout<<endl;
15        cout<<a<<" ";
16    }
17    getchar();
18 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Lab. Algoritma\pertemuan5\tugas\tugas ulang ulang terus gak bisa move on bukan.exe
- Output Size: 1,93282566070557 KiB
- Compilation Time: 0,41s

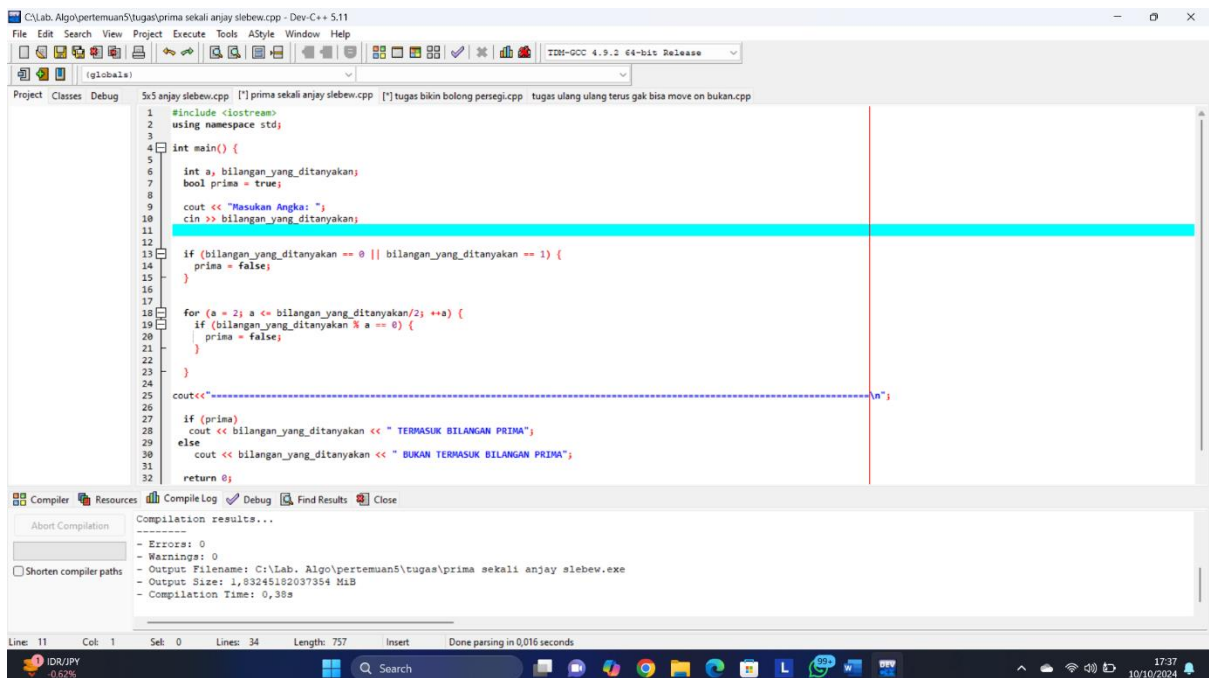
## Screenshoot OUTPUT MENYATAKAN BILANGAN PRIMA



The image shows two screenshots of a terminal window displaying the output of a C++ program. The first screenshot shows the input '17' and the output '17 TERMASUK BILANGAN PRIMA'. The second screenshot shows the input '10' and the output '10 BUKAN TERMASUK BILANGAN PRIMA'. Both screenshots show the program exiting after a short duration.

```
C:\Lab. Algo\pertemuan5\tug... x + -  
Masukan Angka: 17  
=====  
17 TERMASUK BILANGAN PRIMA  
=====  
Process exited after 10.56 seconds with return value 0  
Press any key to continue . . . |  
  
C:\Lab. Algo\pertemuan5\tug... x + -  
Masukan Angka: 10  
=====  
10 BUKAN TERMASUK BILANGAN PRIMA  
=====  
Process exited after 2.881 seconds with return value 0  
Press any key to continue . . .
```

## Screenshoot CODING MENYATAKAN BILANGAN PRIMA



The image shows a screenshot of a C++ source code file in Visual Studio Code. The code implements a function to check if a number is prime. It uses a loop to test divisibility from 2 to the square root of the input number. The output is printed as 'TERMASUK BILANGAN PRIMA' or 'BUKAN TERMASUK BILANGAN PRIMA'.

```
C:\Lab. Algo\pertemuan5\tugas\prima sekali anjay slebew.cpp - Dev-C++ 5.11  
File Edit Search View Project Execute Tools AStyle Window Help  
TDM-GCC 4.9.2 64-bit Release  
Project Classes Debug  
5x5 anjay slebew.cpp [*] prima sekali anjay slebew.cpp [*] tugas bikin bolong persegi.cpp tugas ulang ulang terus gak bisa move on bukan.cpp  
1 #include <iostream>  
2 using namespace std;  
3  
4 int main() {  
5  
6     int a, bilangan_yang_ditanyakan;  
7     bool prima = true;  
8  
9     cout << "Masukan Angka: ";  
10    cin >> bilangan_yang_ditanyakan;  
11  
12  
13    if (bilangan_yang_ditanyakan == 0 || bilangan_yang_ditanyakan == 1) {  
14        prima = false;  
15    }  
16  
17    for (a = 2; a <= bilangan_yang_ditanyakan/2; ++a) {  
18        if (bilangan_yang_ditanyakan % a == 0) {  
19            prima = false;  
20        }  
21    }  
22  
23  
24    cout<<"=====|n";  
25  
26    if (prima)  
27        cout << bilangan_yang_ditanyakan << " TERMASUK BILANGAN PRIMA";  
28    else  
29        cout << bilangan_yang_ditanyakan << " BUKAN TERMASUK BILANGAN PRIMA";  
30  
31    return 0;  
32  
Compiler Resources Compile Log Debug Find Results Close  
Compilation results...  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Lab. Algo\pertemuan5\tugas\prima sekali anjay slebew.exe  
- Output Size: 1,83245182697354 KiB  
- Compilation Time: 0,38s  
Line: 11 Col: 1 Set: 0 Lines: 34 Length: 757 Insert Done parsing in 0,016 seconds
```

### Screenshot OUTPUT BINTANG MEMBENTUK PERSEGI BOLONG

[illegible]

### Screenshot CODING BINTANG MEMBENTUK PERSEGI BOLONG

The image shows a C++ IDE with two windows open, displaying code for a program that prints a diamond pattern of asterisks. The top window shows the first part of the code, and the bottom window shows the second part. The compiler output at the bottom indicates successful compilation with 0 errors and 0 warnings.

**Top Window Code:**

```
1 #include <iostream>
2 using namespace std;
3
4 int main()
5 {
6     int n, i, j;
7
8     cout << "Ukuran : ";
9     cin >> n;
10
11     for(i=0; i<=n; i++){
12         for(j=-n; j<=n; j++){
13             if(-i<j&&j<i){
14                 cout << " ";
15             }
16             else{
17                 cout<<"* ";
18             }
19         }
20         cout<<"\n";
21     }
22     for(i=0; i<=n; i++){
```

**Bottom Window Code:**

```
14         cout << " ";
15     }
16     else{
17         cout<<"* ";
18     }
19 }
20 cout<<"\n";
21 }
22 for(i=0; i<=n; i++){
23     for(j=-n; j<=n; j++){
24         if(-(n-i)<j&&j<(n-i)){
25             cout << " ";
26         }
27         else{
28             cout << "* ";
29         }
30     }
31     cout << "\n";
32 }
33 }
34 }
```

**Compiler Output:**

```
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Lab. Algo\pertemuan5\tugas\tugas bikin bolong persegi.cpp
- Output Size: 1,93245277404795 MiB
- Compilation Time: 0,41s
```

## Screenshoot WAKTU

