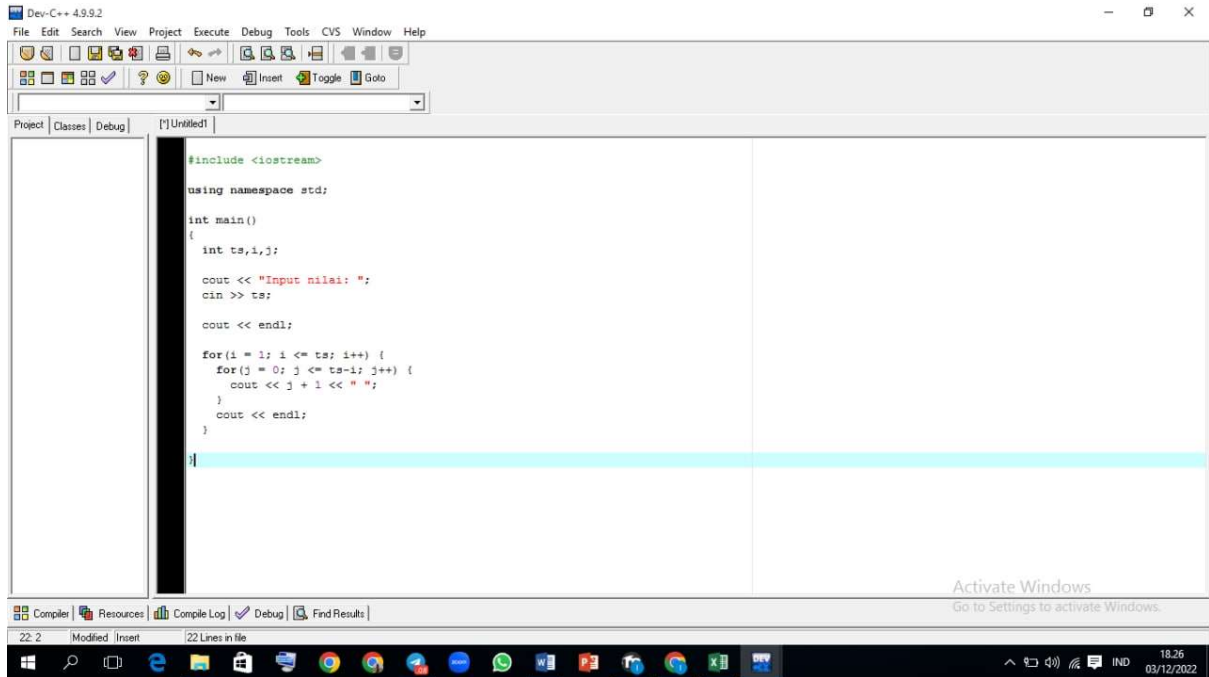


## FOR



The screenshot shows the Dev-C++ 4.9.9.2 IDE with a C++ program that uses a nested for loop. The code is as follows:

```
#include <iostream>

using namespace std;

int main()
{
    int ts,i,j;

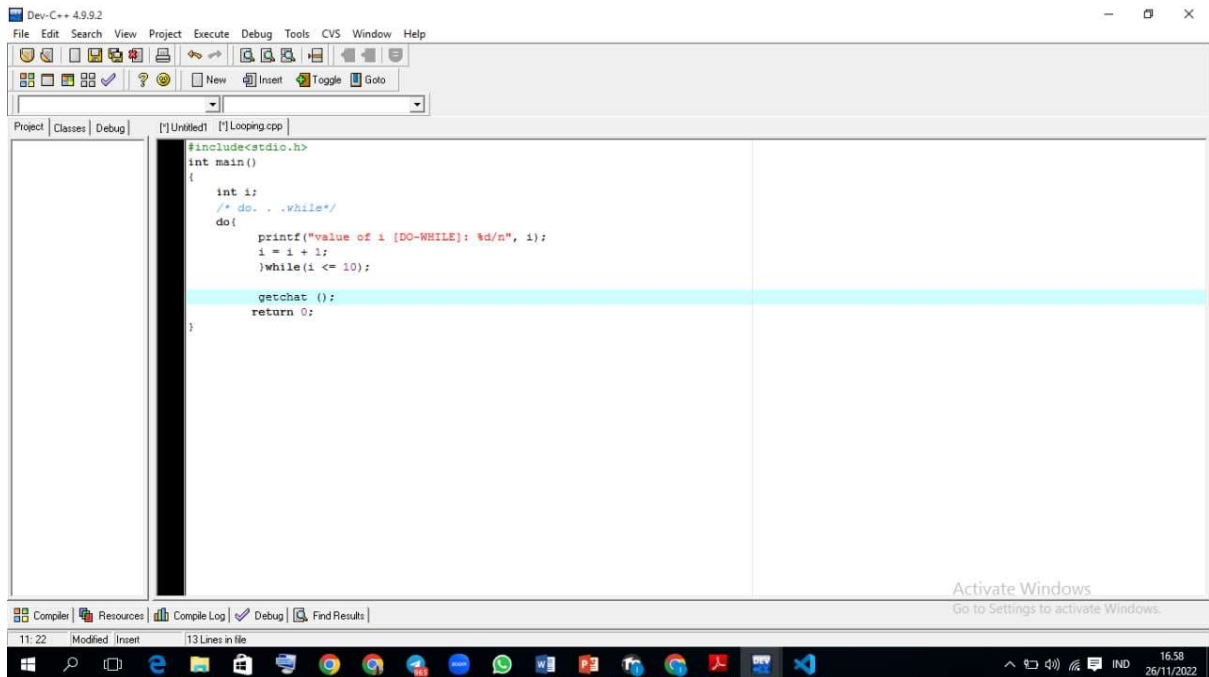
    cout << "Input nilai: ";
    cin >> ts;

    cout << endl;

    for(i = 1; i <= ts; i++) {
        for(j = 0; j <= ts-i; j++) {
            cout << j + 1 << " ";
        }
        cout << endl;
    }
}
```

The status bar at the bottom indicates the file is 22 lines long. The Windows taskbar at the bottom shows the date and time as 18:26 on 03/12/2022.

## DO WHILE



The screenshot shows the Dev-C++ 4.9.9.2 IDE with a C++ program that uses a do-while loop. The code is as follows:

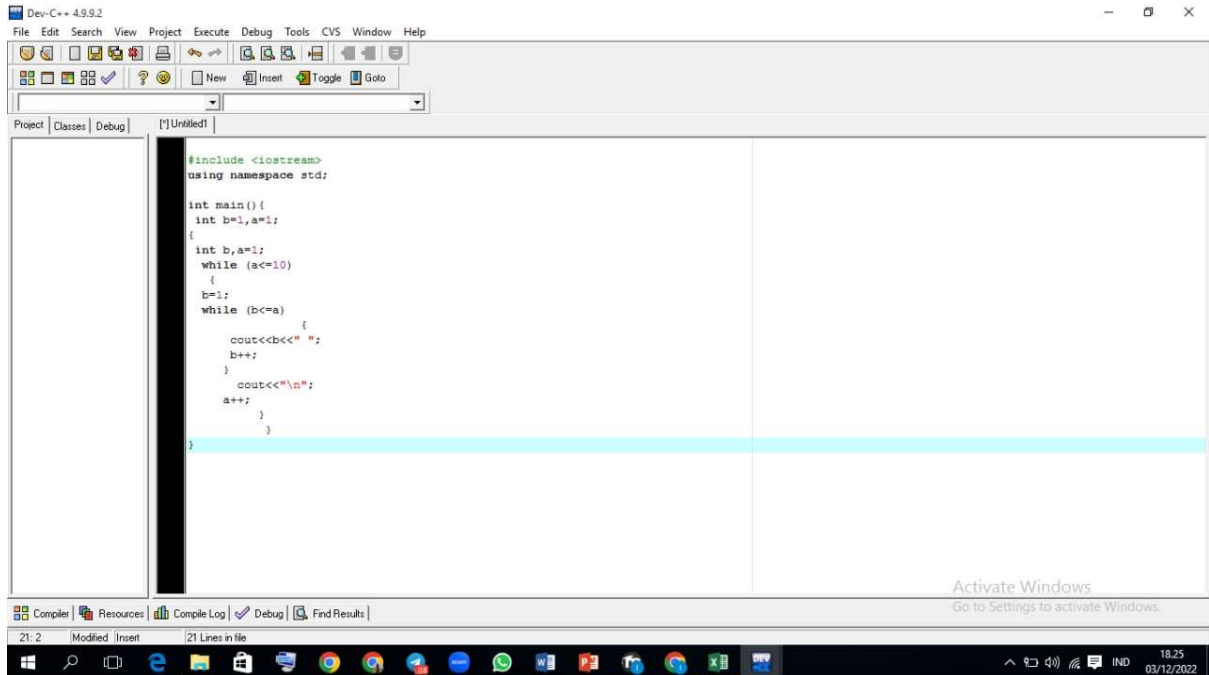
```
#include <stdio.h>

int main()
{
    int i;
    /* do . . . while */
    do {
        printf("value of i [DO-WHILE]: %d\n", i);
        i = i + 1;
    } while(i <= 10);

    getch();
    return 0;
}
```

The status bar at the bottom indicates the file is 13 lines long. The Windows taskbar at the bottom shows the date and time as 16:58 on 26/11/2022.

## WHILE



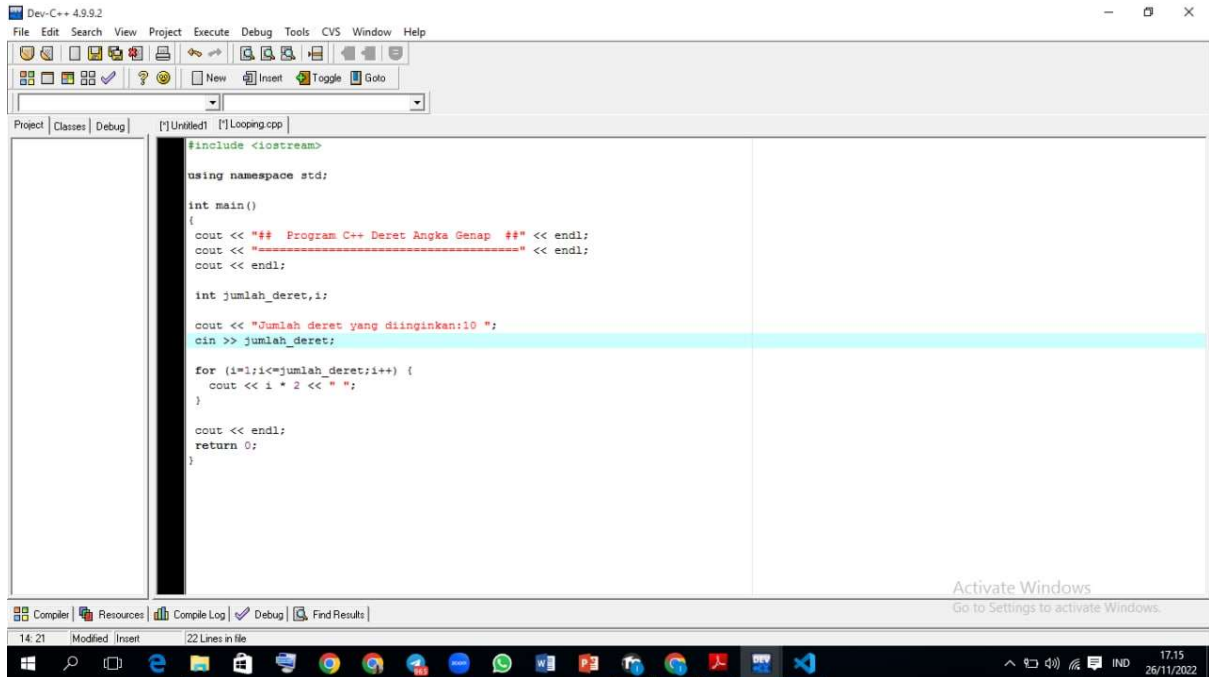
The screenshot shows the Dev-C++ 4.9.9.2 IDE with a C++ program using nested while loops. The code is as follows:

```
#include <iostream>
using namespace std;

int main() {
    int b=1,a=1;
    {
        int b,a=1;
        while (a<=10)
        {
            b=1;
            while (b<=a)
            {
                cout<<b<<" ";
                b++;
            }
            cout<<"\n";
            a++;
        }
    }
}
```

The status bar at the bottom indicates 21:2 Modified Insert 21 Lines in file. The Windows taskbar at the bottom shows the time as 18:25 on 03/12/2022.

## GENAP



The screenshot shows the Dev-C++ 4.9.9.2 IDE with a C++ program for printing a Genap (Even) number pattern. The code is as follows:

```
#include <iostream>
using namespace std;

int main()
{
    cout << "## Program C++ Deret Angka Genap ##" << endl;
    cout << "-----" << endl;
    cout << endl;

    int jumlah_deret,i;

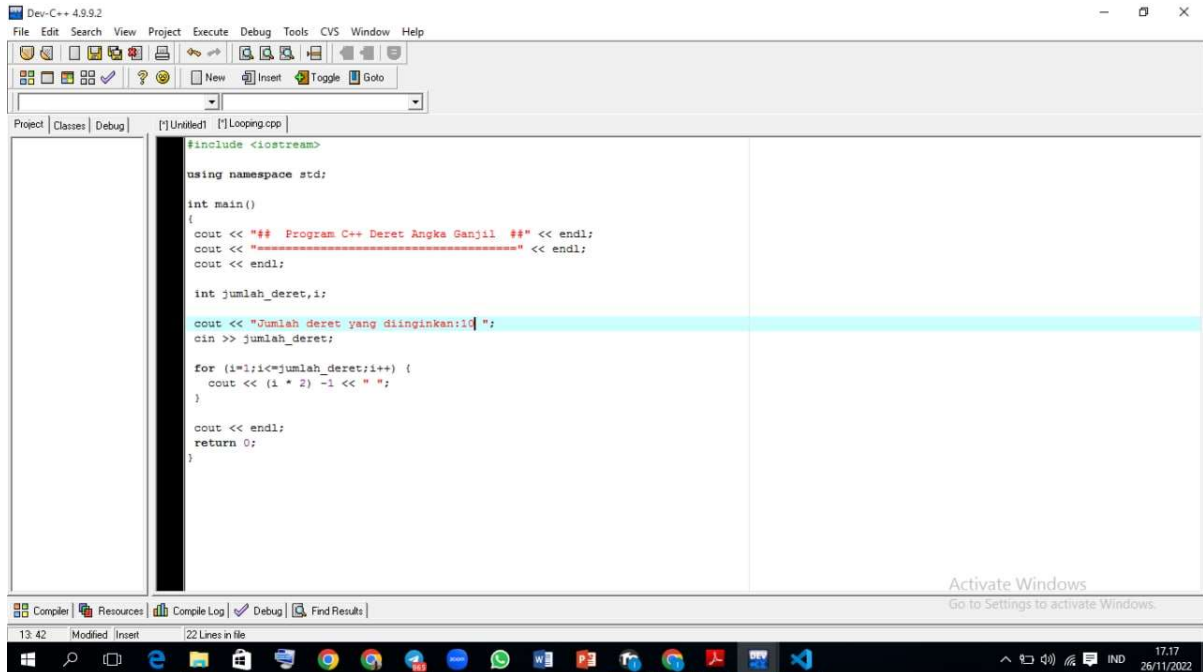
    cout << "Jumlah deret yang diinginkan:10 ";
    cin >> jumlah_deret;

    for (i=1;i<=jumlah_deret;i++) {
        cout << i * 2 << " ";
    }

    cout << endl;
    return 0;
}
```

The status bar at the bottom indicates 14:21 Modified Insert 22 Lines in file. The Windows taskbar at the bottom shows the time as 17:15 on 26/11/2022.

## GANJIL



The screenshot shows the Dev-C++ 4.9.9.2 IDE with a C++ program in a file named 'Looping.cpp'. The program is designed to print odd numbers from 1 to a user-defined limit. The code includes the `<iostream>` header, uses the `std` namespace, and defines a `main` function. It prompts the user for the number of terms and then uses a `for` loop to calculate and print odd numbers using the formula  $(i * 2) - 1$ .

```
#include <iostream>

using namespace std;

int main()
{
    cout << "## Program C++ Deret Angka Ganjil ##" << endl;
    cout << "===== " << endl;
    cout << endl;

    int jumlah_deret,i;

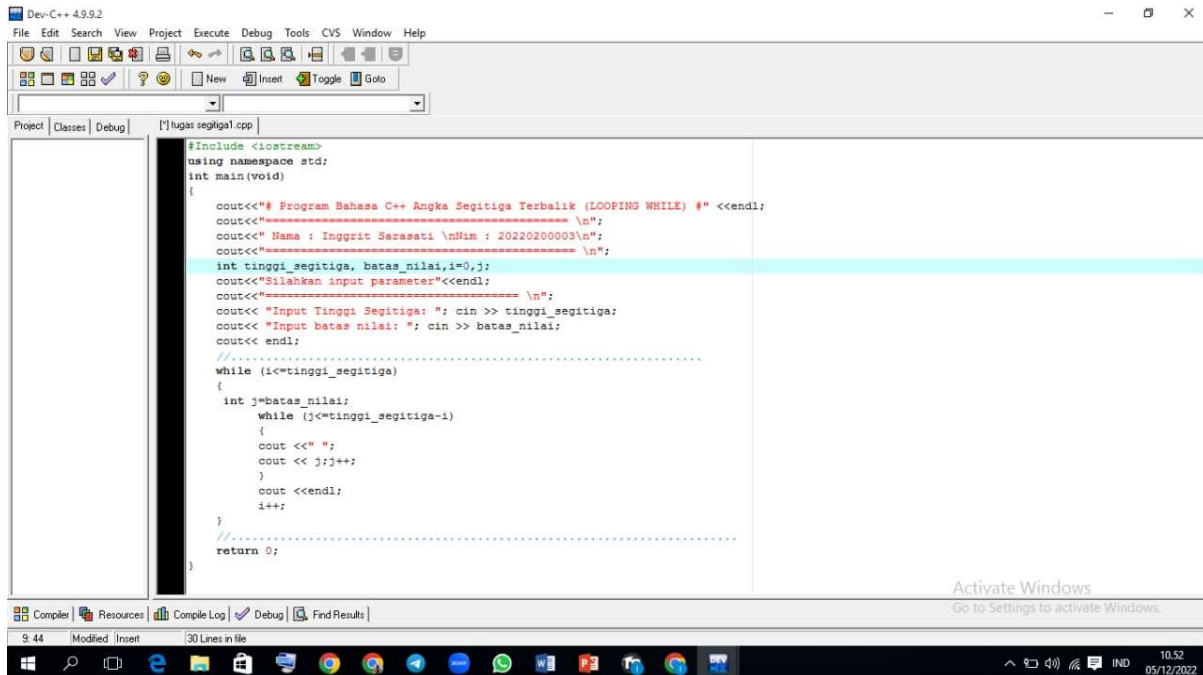
    cout << "Jumlah deret yang diinginkan: ";
    cin >> jumlah_deret;

    for (i=1;i<=jumlah_deret;i++) {
        cout << (i * 2) - 1 << " ";
    }

    cout << endl;
    return 0;
}
```

The status bar at the bottom indicates the file is 'Looping.cpp', it has 22 lines, and was last modified at 13:42. The Windows taskbar at the bottom shows the date as 26/11/2022 and the time as 17:17.

## SEGITIGA



The screenshot shows the Dev-C++ 4.9.9.2 IDE with a C++ program in a file named 'tugas segitiga1.cpp'. The program prints an inverted triangle of numbers. It includes the `<iostream>` header, uses the `std` namespace, and defines a `main` function. It prompts the user for the number of rows and then uses nested `while` loops to print the numbers in an inverted triangular pattern.

```
#include <iostream>
using namespace std;
int main(void)
{
    cout<<"# Program Bahasa C++ Angka Segitiga Terbalik (LOOPING WHILE) #" <<endl;
    cout<<"===== \n";
    cout<<" Nama : Inggit Sarasati \nNim : 20220200003\n";
    cout<<"===== \n";

    int tinggi_segitiga, batas_nilai,i=0,j;
    cout<<"Silahkan input parameter"<<endl;
    cout<<"===== \n";
    cout<<"Input Tinggi Segitiga: "; cin >> tinggi_segitiga;
    cout<<"Input batas nilai: "; cin >> batas_nilai;
    cout<< endl;

    //.....
    while (i<=tinggi_segitiga)
    {
        int j=batas_nilai;
        while (j<=tinggi_segitiga-i)
        {
            cout << " ";
            cout << j;j++;
        }
        cout <<endl;
        i++;
    }
    //.....
    return 0;
}
```

The status bar at the bottom indicates the file is 'tugas segitiga1.cpp', it has 30 lines, and was last modified at 9:44. The Windows taskbar at the bottom shows the date as 05/12/2022 and the time as 10:52.