

Praktikum Algoritma dan Pemrograman
Fauzy Ramadan 20.14.1.0051
Tugas 2.1 & 2.2

Kode Program 2.1

```
{Nama : Fauzy Ramadan}
{NPM : 20.14.1.0051}
{Program : TGS 2.1 .pas}

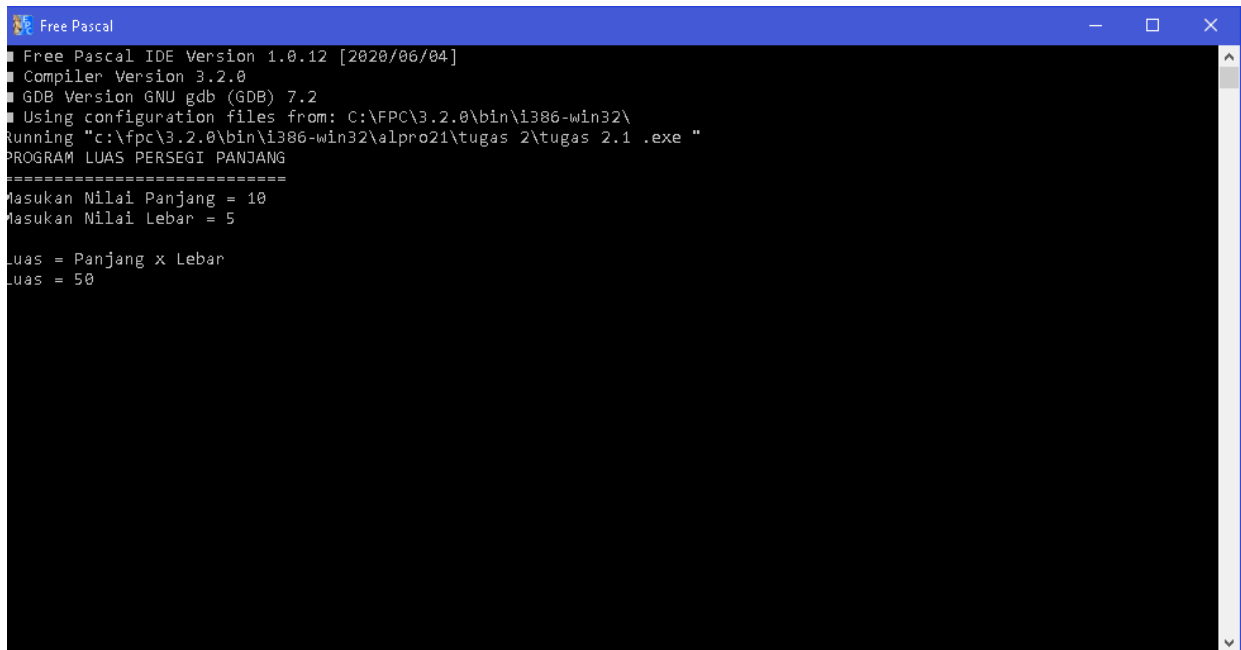
program TGS2_1.pas;
uses crt;

var
p, l, luas : integer;

begin
writeln ('PROGRAM LUAS PERSEGI PANJANG');
writeln ('=====');
write ('Masukan Nilai Panjang = '); read (p);
write ('Masukan Nilai Lebar = '); read (l);
writeln;
luas := p*l;
writeln ('Luas = Panjang x Lebar');
writeln ('Luas = ', luas);
readln;

end.
```

Screenshot program 2.1



```
Free Pascal
Free Pascal IDE Version 1.0.12 [2020/06/04]
Compiler Version 3.2.0
GDB Version GNU gdb (GDB) 7.2
Using configuration files from: C:\FPC\3.2.0\bin\i386-win32\
Running "c:\fpc\3.2.0\bin\i386-win32\alpro21\tugas 2\tugas 2.1 .exe "
PROGRAM LUAS PERSEGI PANJANG
=====
Masukan Nilai Panjang = 10
Masukan Nilai Lebar = 5

Luas = Panjang x Lebar
Luas = 50
```

Kode Program 2.2

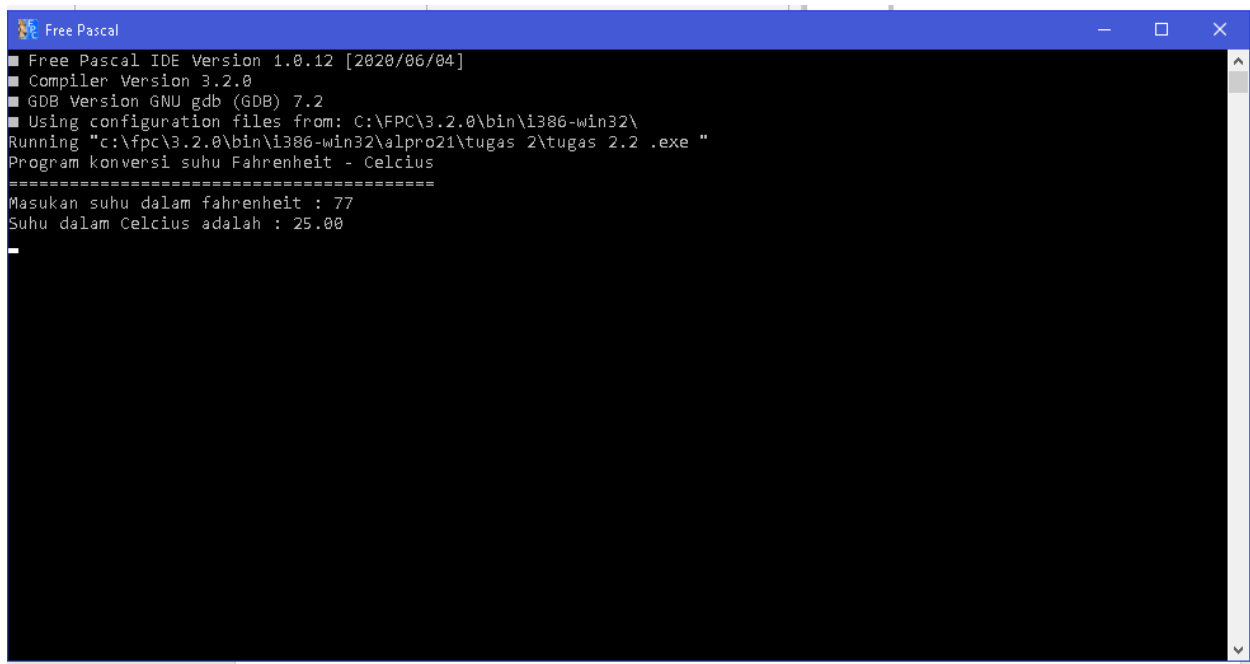
```
{Nama : Fauzy Ramadan}
{NPM : 20.14.1.0051}
{program: Konversi_suhu.pas}

program konv_suhu;

var
c, f : real;

begin
writeln ('Program konversi suhu Fahrenheit - Celcius');
writeln ('=====');
write ('Masukan suhu dalam fahrenheit : '); readln (f);
c := 5/9*(f-32);
writeln;
writeln ('Suhu dalam Celcius adalah : ', c:4:2);
readln;
end.
```

Screenshot program 2.2



```
Free Pascal
Free Pascal IDE Version 1.0.12 [2020/06/04]
Compiler Version 3.2.0
GDB Version GNU gdb (GDB) 7.2
Using configuration files from: C:\FPC\3.2.0\bin\i386-win32\
Running "c:\fpc\3.2.0\bin\i386-win32\alpro21\tugas 2\tugas 2.2 .exe "
Program konversi suhu Fahrenheit - Celcius
=====
Masukan suhu dalam fahrenheit : 77
Suhu dalam Celcius adalah : 25.00
```

Kode Program 2.1 (C++)

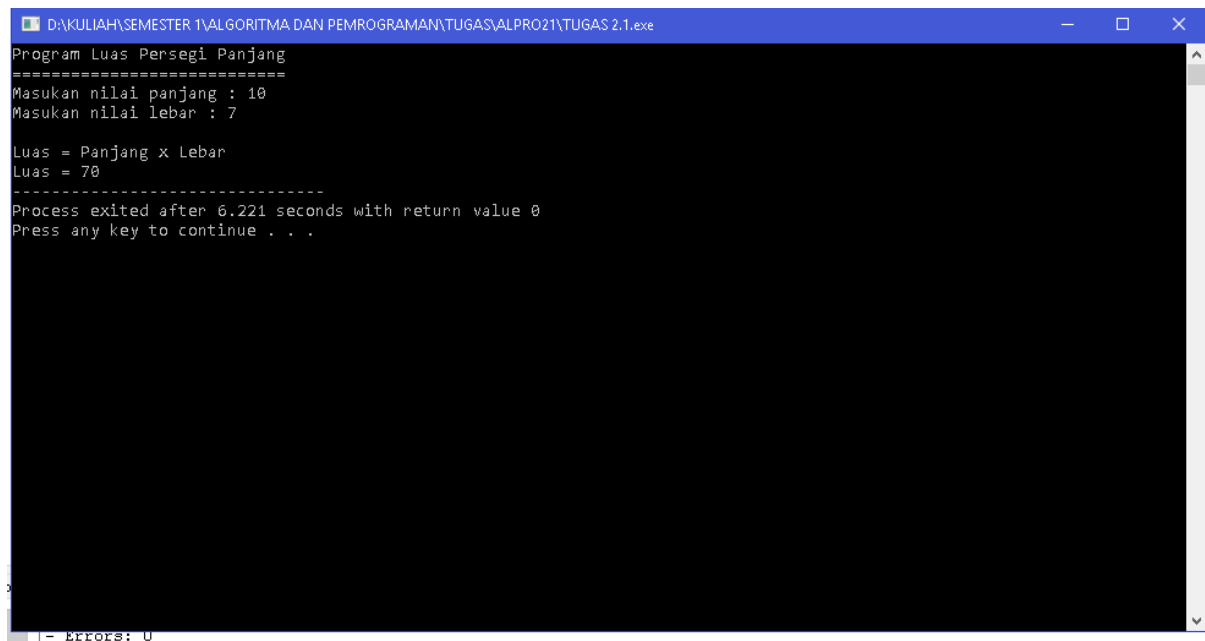
```
#include <iostream>
using namespace std;

int p, l, luas;
int main ()
{
    cout << "Program Luas Persegi Panjang"<<endl;
    cout << "===== "<<endl;
    cout << "Masukan nilai panjang : ";
    cin >> p;
    cout << "Masukan nilai lebar : ";
    cin >> l;

    luas = p*l;
    cout << "Luas = Panjang x Lebar"<<endl;
    cout << "Luas = "<< luas;

    return 0;
}
```

Screenshot Program 2.1 (C++)



The screenshot shows a Windows command prompt window titled "D:\KULIAH\SEMESTER 1\ALGORITMA DAN PEMROGRAMAN\TUGAS\ALPRO21\TUGAS 2.1.exe". The program output is as follows:

```
Program Luas Persegi Panjang
=====
Masukan nilai panjang : 10
Masukan nilai lebar : 7

Luas = Panjang x Lebar
Luas = 70
-----
Process exited after 6.221 seconds with return value 0
Press any key to continue . . .
```

At the bottom of the window, the status bar indicates "Errors: 0".

Kode Program 2.2 (C++)

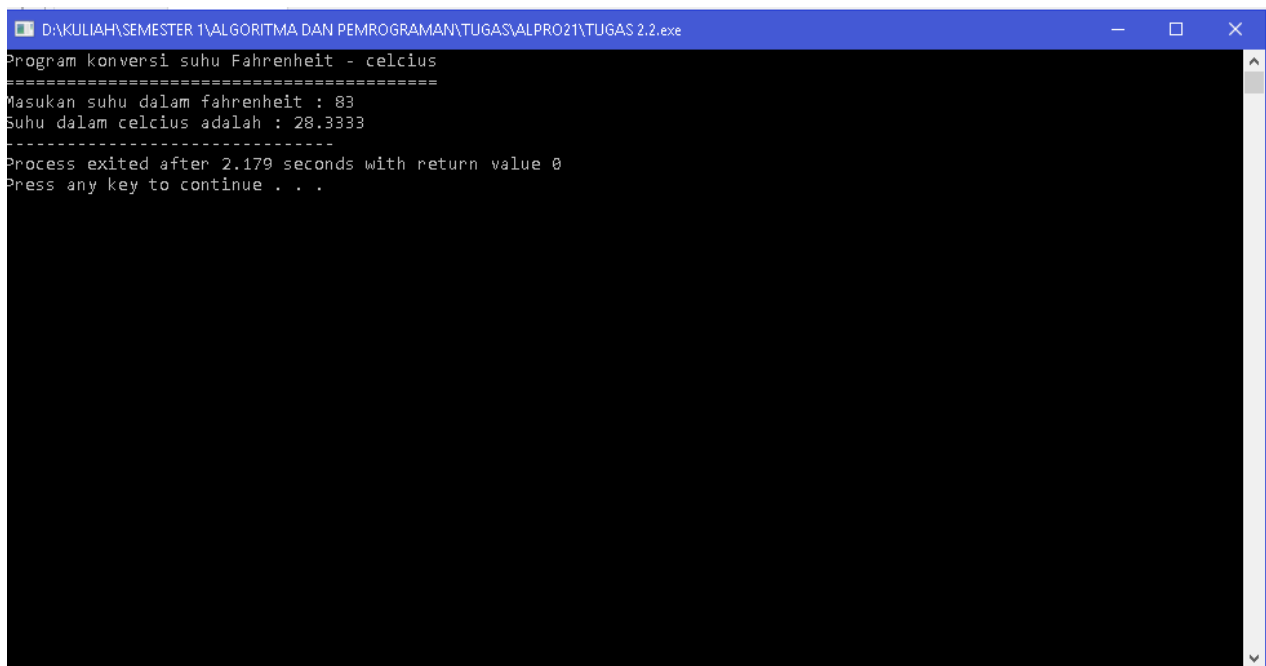
```
#include <iostream>
using namespace std;

float c,f;
int main ()
{
    cout << "Program konversi suhu Fahrenheit - celcius"<<endl;
    cout << "===== "<<endl;
    cout << "Masukan suhu dalam fahrenheit : ";
    cin >> f;

    c = (f-32) * 5/9;
    cout << "Suhu dalam celcius adalah : "<<c;

    return 0;
}
```

Screenshot Program 2.2 (C++)



```
D:\KULIAH\SEMESTER 1\ALGORITMA DAN PEMROGRAMAN\TUGAS\ALPRO21\TUGAS 2.2.exe
Program konversi suhu Fahrenheit - celcius
=====
Masukan suhu dalam fahrenheit : 83
Suhu dalam celcius adalah : 28.3333
Process exited after 2.179 seconds with return value 0
Press any key to continue . . .
```