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TP MOD 2

1. Prosedur greeting akan melakukan pengecekan pada input x & y. Kemudian input y dengan Panjang 10 akan dicek, Jika jumlah karakternya tidak 10 maka akan mengeluarkan "wrong input". Jika Panjang 10 akan dicek menggunakan varnama.substr. Dalam program ini jika y.substr tidak sama dengan 13 maka akan mengeluarkan "hello, you're not from school of computing, are you ?". jika berjumlah 13 maka "hello (input x) from school of computing you are majoring in"
2. Pada swap2 tidak ada yang terjadi. Tetapi keduanya memiliki hasil yang berbeda karena adanya pertukaran
3. Terjadi pertukaran dengan cara assign variable pA = x1, pB = x2, pC = x2, pD = x2.
4. Remove inside akan menghapus index terakhir, Jika x tidak diantara $0 < x < n$ maka akan keluar "Wrong input".
5. Indexing akan menghitung $(x * 4 + y * 35 + z * 25)$ kemudian ditampung dan melakukan pengecekan perbandingan, jika $t > 80$ maka akan keluar "A", jika $t > 75$ maka akan keluar "AB", $t > 70$ maka akan keluar "B", $t > 60$ maka "BC", $t > 50$ maka "C", dan juga jika $t > 40$ maka akan keluar "D", jika $t > 40$ maka akan keluar "E".

hello.cpp [hello] - Code::Blocks 20.03

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indexing(double x, double y, double z) : string

Management

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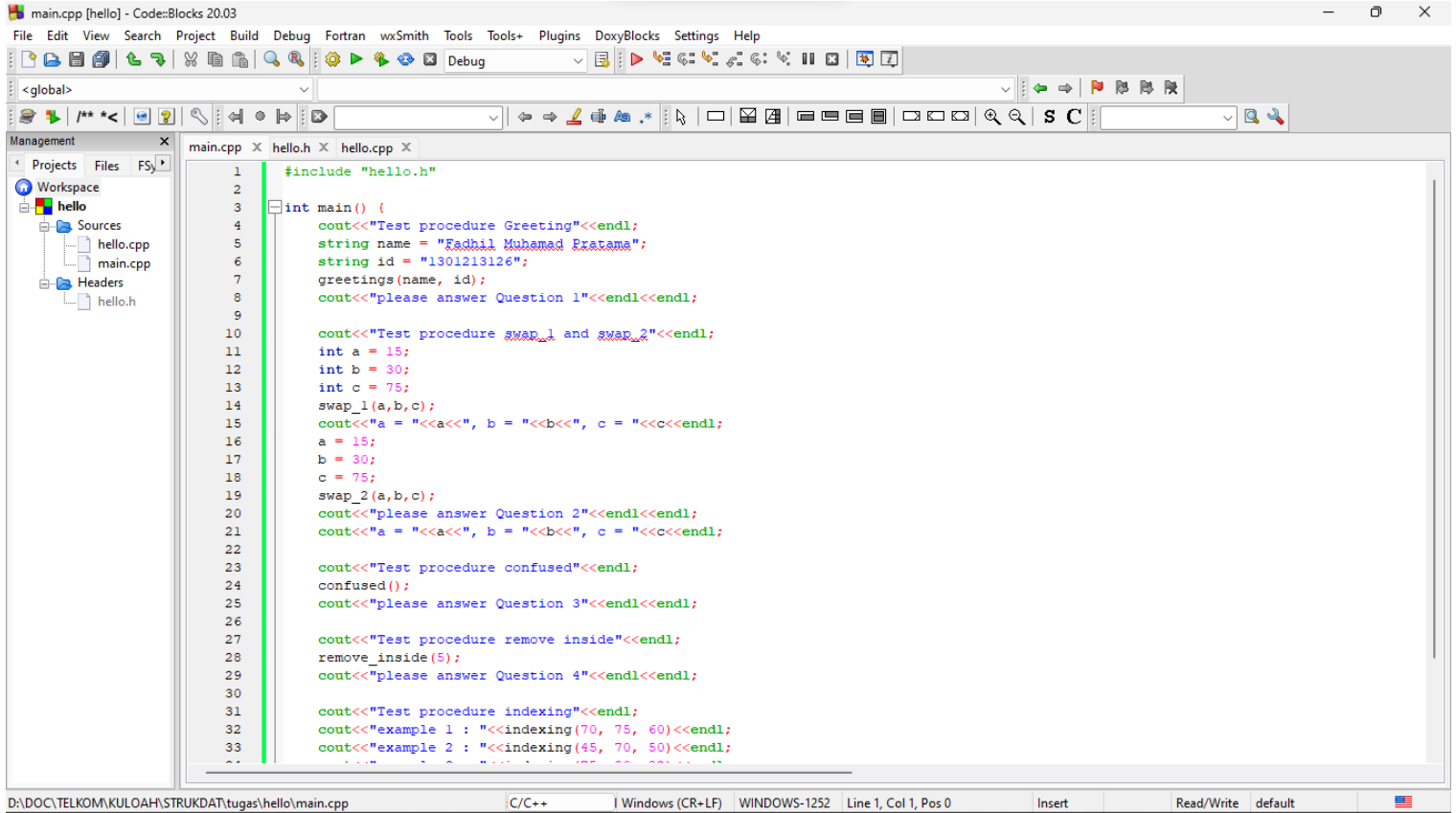
```
1 #include "hello.h"
2
3 void greetings(string x, string y) {
4     if(y.length() != 10) {
5         cout<<"wrong input"<<endl;
6     } else {
7         if(y.substr(0,2)=="13") {
8             cout<<"hello "<<x<<" from School of computing."<<endl;
9             cout<<"you are majoring in ";
10            // int z = static_cast<int>(y[3])-48;
11            const char *p = y.substr(3,1).c_str();
12            int z = atoi(p);
13            switch(z){
14                case 1 :
15                    cout<<"Informatics";
16                    break;
17                case 2 :
18                    cout<<"Computation Science";
19                    break;
20                case 3 :
21                    cout<<"Information Technology";
22                    break;
23                default:
24                    cout<<"..., where again?";
25            }
26            cout<<endl;
27            cout<<"and you're the ? ";
28            string n = y.substr(6,4);
29            if(n[3]=='1') {
30                cout<<n<<"st";
31            } else if(n[3]=='2') {
32                cout<<n<<"nd";
33            } else {
```

D:\DOC\TELKOM\KULOA\STRUKDAT\tugas\hello\hello.cpp C/C++ Windows (CR+LF) WINDOWS-1252 Line 116, Col 12, Pos 2654 Insert Read/Write default

Workspace

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```
2 #define HELLO_H_INCLUDED
3
4 #include <iostream>
5 #include <cstdlib>
6
7 using namespace std;
8
9 void greetings(string x, string y);
10 void swap_1(int a, int b, int c);
11 void swap_2(int a, int b, int c);
12 void confused();
13 void remove_inside(int);
14 string indexing(double, double, double);
15 #endif // HELLO_H_INCLUDED
16
```



```
D:\DOC\TELKOM\KULOAH\STRUKDAT\tugas\hello\bin\Debug\hello.exe
you are majoring in Informatics
and you're the ? 3126th student listed in this major
in 2021
please answer Question 1

Test procedure swap_1 and swap_2
a = 15, b = 30, c = 75
please answer Question 2

a = 15, b = 16, c = 30
Test procedure confused
pA = 5, pB = 5, pC = 5, pD = 5, pE = 5
please answer Question 3

Test procedure remove inside
removing index 5
4, 6, 7, 9, 4, 6, 8, 4, 2, 2, 5, 8, 0, 4,
4, 6, 7, 9, 4, 8, 4, 2, 2, 5, 8, 0, 4,
please answer Question 4

Test procedure indexing
example 1 : BC
example 2 : C
example 3 : AB
please answer Question 5

Process returned 0 (0x0)   execution time : 0.031 s
Press any key to continue.
```