Philip Pesic

Week 11

October 30 2022

Week 11 Prog 4

Write and run the code for the second example in the lecture note

//

// main.cpp

// Week 11 Prog 4

//

// Created by Pippo Pesic on 10/24/22.

//

// There are DEFAULT paramerters.


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

void fun1( void ) { cout << " Void input, no return " << endl ; }
void fun2( int x = 1 ) { cout << " x = " << x << endl ; }
void fun3( int x = 12, double d = 34.5, string s = "Default word" ) {
 cout << " x = " << x << endl ;
 cout << " d = " << d << endl ;
 cout << " s = " << s << endl ;
 }
```

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```cpp
int main( )
{
cout << "=========" << endl;

fun1();   // no defaults - no inputs defined

cout << "=========" << endl;


fun2();   // one default - used

cout << "=========" << endl;

fun2(42); // User Parm Input

cout << "=========" << endl;


// Default parameters loaded from right to left, No gaps or skips...

fun3();   // there defaults - all defaults used - no user input

cout << "=========" << endl;

fun3(42); // three defaults - first two defaults used, last USER Parm Input

cout << "=========" << endl;

fun3(42, 6.9); // three defaults - first default used, last two USER parms input

cout << "=========" << endl;

fun3(42, 6.9, "user input value"); // three defaults - all three USER parms inputted

cout << "=========" << endl;
```

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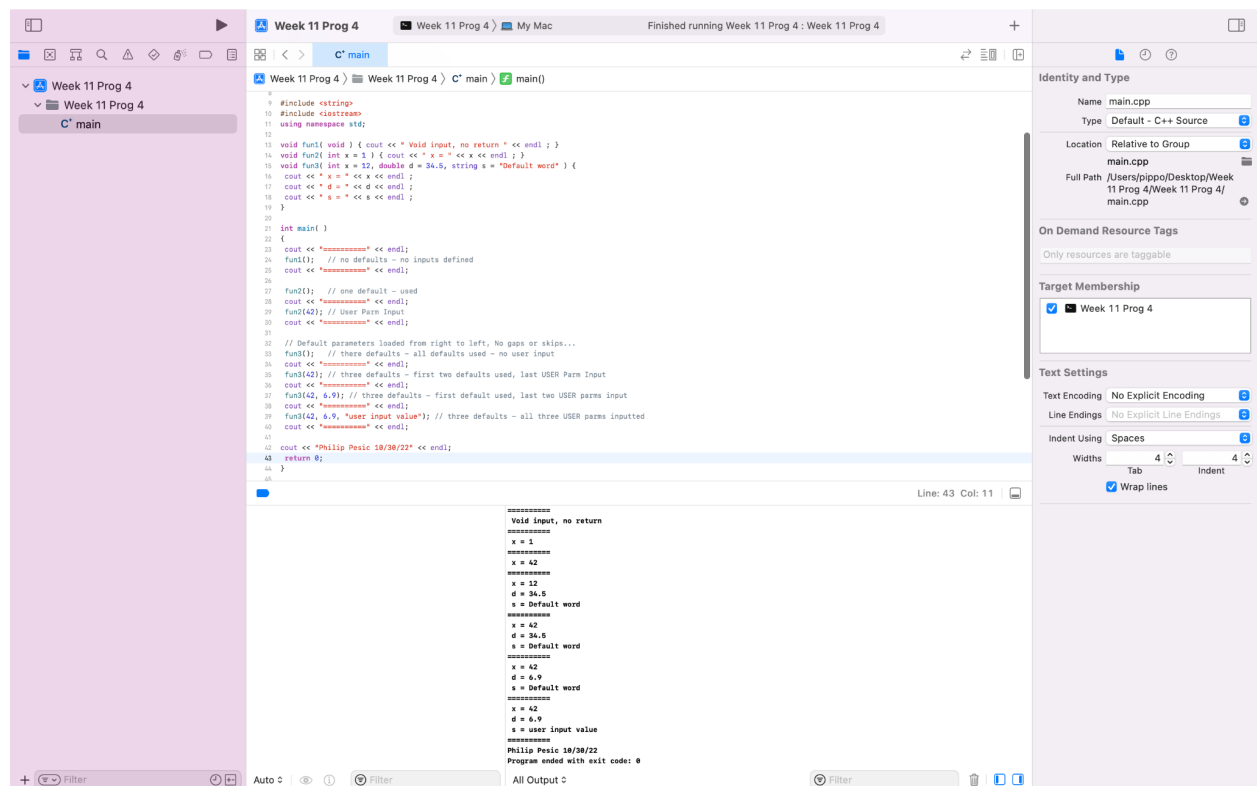
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cout << "Philip Pesic 10/30/22" << endl;

 return 0;

}

I learned: how to use required and optional function parameters