Homework 01

CS-102

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Homework 01A

- Download and install the IDE (integrated development environment) Code::Blocks (double click on icon below) on your home personal computer. If you have a Macintosh, you may choose another IDE, such as Xcode.
- The software is free, easy to use, and fully supports the textbook for the course, C++ From Control Structures to Objects, 9th Edition, by Tony Gaddis.
- When you first enter the Canvas Modules for this course, you will notice three folders entitled: Download CodeBlocks C++ as well as: Using the CodeBlocks IDE for the First Time or read the Macintosh Download Notes, and then proceed with the download.

Homework 01B

- Write your first program, using Program 1-1, on pages 14-15 of Gaddis, as a model. Your program should contain the following:
- It should contain the following comments:
  - Your name;
  - The date;
  - What kind of computer you installed your C++ IDE onto.
  - What IDE you are using;
  - Where you wrote the program (e.g. at home, on your laptop, or at the College);
- It should print to screen your own name, followed by whether you were successful in downloading the CodeBlocks IDE, or Xcode.
  - For example, if your name is Francis Smith, and you were successful downloading the CodeBlocks IDE to your home computer, then you would print to the screen:
    - **I'm Francis Smith**
    - *Whatever the date is*
    - **I was successful downloading CodeBlocks 20.03 at home on my desktop.**
    - **I wrote this program, at home, on my laptop.**
  - Once you have written and tested the program, submit it to Canvas and label it as: *YourName*-Hwrk01.cpp (e.g. Francis_Smith-Hwrk01.cpp)

Homework 01C

- Complete the program below to print out a filled triangle four lines high. In other words, the output of this program should match the following, exactly.
- Name your program: *YourName*-Hwrk01c.cpp

```
   x
  xxx
 xxxxx
xxxxxxx
```

```
//triangle.cpp
#include <iostream>
using namespace std;
int main()
{
   cout << "   x" << endl;
   . . .
   return 0;
}
```