

## Assignment 2

Assignment 2

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Submission Date: February 2, 2017

Project7 - [problem\_1.dev] - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug

Untitled6 problem\_1.cpp

```
1  /* Benjamin S. Benoit
2  CECS 130-50
3  Assignment 2 */
4
5  #include <iostream>
6  #include <stdio.h>
7
8  int main()
9  {
10     //variable declarations
11     int a;
12     int b;
13     int x;
14     int y;
15     int f;
16
17     //variable initializations
18     a = 5;
19     b = 1;
20     x = 10;
21     y = 5;
22     f = (a - b)*(x - y);
23
24     //printing variable contents to standard output
25     printf("The result is %d\n", f);
26     return 0;
27 }
```

C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem\_1.exe

The result is 20

-----  
Process exited after 0.007752 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

mingw32-make.exe: Nothing to be done for 'all'.

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem\_1.exe  
- Output Size: 1.83441543579102 MiB  
- Compilation Time: 0.11s

Line: 5 Col: 20 Sel: 0 Lines: 27 Length: 384 Overwrite Done parsing in 0 seconds

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problem\_02 - [problem\_02.dev] - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug

Untitled6 problem\_02.cpp

```
1  /* Benjamin S. Benoit
2  CECS 130-11
3  Assignment 2 */
4
5  #include <stdio.h>
6
7  int main()
8  {
9      //variable declarations
10     int a;
11     int b;
12     int x;
13     int y;
14     int f;
15
16     a = 0;
17     b = 0;
18     x = 0;
19     y = 0;
20
21     //variable request prompt and deceleration via user input
22     printf("\nEnter the a variable value: ");
23     scanf("%d", &a);
24     printf("Enter the b variable value: ");
25     scanf("%d", &b);
26     printf("Enter the x variable value: ");
27     scanf("%d", &x);
28     printf("Enter the y variable value: ");
29     scanf("%d", &y);
30     //printing results of variable inputs into the f equation
31     f = (a-b)*(x - y);
32     printf("The result is %d\n", f);
33     return 0;
34 }
```

C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem\_02.exe

```
Enter the a variable value: 5
Enter the b variable value: 1
Enter the x variable value: 20
Enter the y variable value: 1
The result is 76

-----
Process exited after 10.54 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

About Compilation

Shorten compiler paths

g++.exe problem\_02.o -o problem\_02.exe -L"C:/Program Files (x86)/Dev-Cpp/MinGW64/lib" -L"C:/Program Files (x86)/Dev-Cpp/MinGW64/x86\_64-w64-mingw32/lib" -static-libgcc

Compilation results...

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem_02.exe
- Output Size: 128.6015625 KiB
- Compilation Time: 0.36s
```

Line: 34 Col: 2 Sel: 0 Lines: 34 Length: 653 Insert Done parsing in 0 seconds

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problem\_05 - [problem\_05.dev] - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

Untitled6 problem\_05.cpp

```
1  /* Benjamin S. Benoit
2  CECS 130-11
3  Assignment 2 */
4
5
6
7  #include <stdio.h>
8
9  int main()
10 {
11     float fRate, fSales_Price, fCost;
12     //Commission = Rate * (Sales Price - Cost)
13     printf("\nEnter total Rate: ");
14     scanf("%f", &fRate);
15     printf("\nEnter total Sales Price: ");
16     scanf("%f", &fSales_Price);
17     printf("\nEnter total Cost: ");
18     scanf("%f", &fCost);
19     //The Commission as a result of inputs
20
21     printf("\nYour Commission is $%.2f\n", fRate * (fSales_Price - fCost));
22
23     return 0;
24 }
25
```

C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem\_05.exe

Enter total Rate: 5

Enter total Sales Price: 100

Enter total Cost: 90

Your Comission is \$50.00

-----

Process exited after 7.765 seconds with return value 0

Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

About Compilation

mingw32-make.exe: Nothing to be done for 'all'.

Compilation results...

-----

- Errors: 0

- Warnings: 0

- Output Filename: C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem\_05.exe

- Output Size: 128.6015625 KiB

- Compilation Time: 0.11s

Shorten compiler paths

Line: 23 Col: 14 Sel: 0 Lines: 25 Length: 509 Insert Done parsing in 0.063 seconds

Search for anything

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problem\_07 - [problem\_07.dev] - [Executing] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes Debug

Untitled6 problem\_07.cpp

```
1  /* Benjamin S. Benoit
2  CECS 130-11
3  Assignment 2 */
4
5
6  #include <iostream>
7  #include <stdio.h>
8  #include <ctype.h>
9  #include <time.h>
10 #include <cstdlib>
11
12
13 int main()
14 {
15     int iRandomNum = 0;
16     int iResponse = 0;
17     srand(time(NULL));
18     iRandomNum = ( rand() %10)+1;
19
20
21     printf("\nWelcome to the number guessing game\n");
22     printf("\nGuess a number between 1 and 10: ");
23     scanf("%d", &iResponse);
24
25     if (!isdigit(iResponse) ==0 ) {
26         printf("\nYou did not enter a number between 1 and 10\n");
27         return 0;
28     }
29
30     if (iResponse == iRandomNum) {
31         printf("\nCongratulations, you guessed correctly\n");
32     }
33     else {
34         printf("\nYou guessed the wrong number\n");
35         printf("\nThe correct number was %d\n", iRandomNum);
36     }
37     return 0;
38 }
```

CAUsers\bsben\Documents\CECS 130\CECS 130 workspace\problem\_07.exe

Welcome to the number guessing game  
Guess a number between 1 and 10: 1  
You guessed the wrong number  
The correct number was 4  
-----  
Process exited after 2.996 seconds with return value 0  
Press any key to continue . . .

Compiler Resources Compile Log Debug Find Results Close

mingw32-make.exe: Nothing to be done for 'all'.

Compilation results...

-----  
- Errors: 0  
- Warnings: 0  
- Output Filename: C:\Users\bsben\Documents\CECS 130\CECS 130 workspace\problem\_07.exe  
- Output Size: 1.90735244750977 MiB  
- Compilation Time: 0.11s

Line: 2 Col: 15 Sel: 0 Lines: 38 Length: 758 Insert Done parsing in 0 seconds

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