

Session 1 – Programming Challenges

Read chapter 1 of zyBooks – Intro to Programming.

Students should master the following topics:

1. IDE new project launch and basic menu bar understanding
2. Line numbers on IDE, walk all around IDE
3. Creating Console Program template
4. Compile, link, load and execute “Welcome to Visual C++”
5. Formatted output syntax
6. Arithmetic operators

Problems:

Print out large block letters with your initials

Welcome message – see the sample output on the next page

Add 3 integers and display the arithmetic mean – see the same output on the next page

Grade Activities:

1. All programming projects functionally complete
2. Good software engineering practices:
 - a. Good use of white spaces
 - b. Variable nomenclature
3. Maximum points for Session 1 – 15 points

Sample Outputs:

Welcome message problem:

What is your name? ***Phil***
Hello Phil, and Welcome to CS113 Class!

3 integers problem:

Enter the first integer: 4
Enter the second integer: 2
Enter the third integer: 7

Sum of three numbers is 13
Mean of three numbers is 4