C++ Programming Lab #0

Valparaiso University CS Department

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Learning Objectives: Be able to create a basic class in C++, including creation of variables, a constructor, and other methods.

Turn-In Instructions: Submit a screenshot of your code's output done in Part I and copy that into a Word document. Below the output, copy and paste your code. In that same document, write your answer to Part II below Part I.

1. Create a Point Class in C++. It should have two variables, x and y, which are stored as integers. You will need to make a constructor and three other methods.

   These other methods will be:

   - getX(), which will return the x variable as an integer
   - getY(), which will return the y variable as an integer
   - to_string(), which will return the Point object as a string. The output should be (x,y)

2. What does a destructor do, and do you think this class needs one? Why? More broadly, Why is a destructor useful in C++, and what is its purpose?