



## Introduction to Computing CS 151

Department of Physics and Computer Science  
Medgar Evers College

### Quiz 08 - Fundamentals

Direction: Modify the file named "quiz08.cpp" and submit it in the Quizzes directory of your GitHub repository or Dropbox; or in your Quiz08 google classroom assignment.

For each of the following questions, write **ONLY** what is requested. The questions are cumulative

- a. Given that an int variable named *a* and a constant int variable named *b* have been initialized, write statements that initialize a read-only pointer named *s* and a constant pointer named *t*.
- b. Given that a struct named **Point** has been defined, write statements that initialize a pointer named *p* to a dynamic int array of size 20 and a pointer named *q* to a dynamic **Point**.
- c. Write a statement(s) that assigns the r-value of the variable pointed to by *s* to all the elements of *p*.
- d. Given that the struct **Point** has the int members named *x* and *y*, write statements that assign values to each member of *q* in different ways.
- e. Write statements that deallocate the memory for *p* and *q*.