**Answer the questions in Exercise A in the following table and post it into the D2L**

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| **Program output and its order** | **Your explanation (why and where is the cause for this output)** |
| **constructor with int argument is called.** | Line 12 of exAmain.cpp, the Mystring constructor for an int is called by Mystring c = 3; |
| **default constructor is called.**  **default constructor is called.** | Line 18 of exAmain.cpp, the default constructor of Mystring is called twice, once for each element in the array x. |
| **constructor with char\* argument is called.** | Line 22 of exAmain.cpp, Mystring\* z = new Mystring("4"); calls the constructor Mystring( const char\* s) |
| **copy constructor is called.**  **copy constructor is called.** | Line 24 of exAmain.cpp, the .append(\*z).append(x[1]) calls the copy constructor twice when copying to temporary objects. Both \*z and x[1] are copied to temporary objects. |
| **destructor is called.**  **destructor is called.** | The two destructors are called automatically for the 2 temporary objects used to copy on Line 24 of exAmain.cpp. |
| **copy constructor is called.** | Line 26 of exAmain.cpp copies x[0] to a different Mystring object called mars. |
| **assignment operator called.** | Line 28 of exAmain.cpp assigns x[0] to x[1] by overriding the “=” operator. |
| **constructor with char\* argument is called.**  **constructor with char\* argument is called.** | Line 30 of exAmain.cpp calls the constructor with char\* because of the Mystring::Mystring(const char \*s) constructor.  Line 32 of exAmain.cpp calls the char\* constructor to create a Mystring object with the \*char “Yellow” |
| **destructor is called.**  **destructor is called.**  **destructor is called.**  **destructor is called.**  **destructor is called.** | The destructor for lines 30, 26, and twice for 18 are called once we are out of the scope of the block in the exAmain.cpp file. The destructor for line 37 is called explicitly by calling delete. |
| **constructor with char\* argument is called.** | Line 39 of exAmain.cpp calls the constructor with a \*char, where the \*char is “Green” |
| **Program terminated successfully.** | This text is output by using cout and endl on line 41 of exAmain.cpp |
| **destructor is called.**  **destructor is called** | The destructors for Mystring d = "Green"; on line 39 and Mystring c = 3; on line 12 are called as the program exits and everything leaves the scope of the program. |