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Reflection Workshop 9 Part 2

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I have done all the coding by myself and only copied the code that

my professor provided to complete my workshops and assignments.

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The main learning concept of this workshop was creating a derived class which has a resource (dynamically allocated attributes). In this workshop the base class Name which stored a dynamically allocated first name and FullName was the class derived from Name that contained the dynamically allocated last name. Name class had a few virtual and non-virtual methods which were overridden in the FullName class. I also learned how to correctly implement the rule of three, which is the creation of a copy constructor, copy assignment operator and a destructor, for a derived class with a resource. This was a trickier part to code but I used my prior codes and the new weekly notes to correctly program the rule of three. I also used what I learned throughout the semester to read the user inputs by using get, getline, ignore and more and also correctly store that data into dynamically allocated spaces. For this purpose I used a separate Utility module that can handle the most character string operations like calculating length, copying 1 string to another and also dynamically copying 1 string to another.