PFII Lab 4: Classes

In this lab, I learned more about variable, method, and class scopes including global, local, private, and public instances. I also better understand the use of the helper file in the cases of MusicLibrary.h and Song.h (especially the importance of declaration through the helper file). Another thing I learned more about was the getter and setter methods for C++ and its applications in the cpp files (add method). Overall, the lab was successful in showing real world entities and operations (including user-created types).

Program Output:

Viva la Vida,Coldplay,Coldplay,/home/music/song101,Viva la Vida or Death and All His Friends,2008,5,1

Viva la Vida,Coldplay,Coldplay,/home/music/song101,Viva la Vida or Death and All His Friends,2008,5,1

Can't Smile Without you,Chris Arnold,Barry Manilow,/home/music/song102,Even Now,1978,0,0

Viva la Vida,Coldplay,Coldplay,/home/music/song101,Viva la Vida or Death and All His Friends,2008,5,1

Can't Smile Without you,Chris Arnold,Barry Manilow,/home/music/song102,Even Now,1978,0,0

Something Stupid,Carson Parks,Frank Sinatra,/home/music/song103,The World we Knew,1967,4,1

Viva la Vida,Coldplay,Coldplay,/home/music/song101,Viva la Vida or Death and All His Friends,2008,5,1

Can't Smile Without you,Chris Arnold,Barry Manilow,/home/music/song102,Even Now,1978,0,0

Something Stupid,Carson Parks,Frank Sinatra,/home/music/song103,The World we Knew,1967,4,1

Billie Jean,Michael Jackson,Michael Jackson,/home/music/song104,Thriller,1983,4,2

Viva la Vida,Coldplay,Coldplay,/home/music/song101,Viva la Vida or Death and All His Friends,2008,5,1

Can't Smile Without you,Chris Arnold,Barry Manilow,/home/music/song102,Even Now,1978,0,0

Something Stupid,Carson Parks,Frank Sinatra,/home/music/song103,The World we Knew,1967,4,1

Billie Jean,Michael Jackson,Michael Jackson,/home/music/song104,Thriller,1983,4,2

Viva la Vida,Coldplay,Coldplay,/home/music/song101,Viva la Vida or Death and All His Friends,2008,5,1

Something Stupid,Carson Parks,Frank Sinatra,/home/music/song103,The World we Knew,1967,4,1

Billie Jean,Michael Jackson,Michael Jackson,/home/music/song104,Thriller,1983,4,2

Can't carry out lib.remove(4)