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Student Information:
• Name: Katarina Humbert
• UAID: 010984092
• Assignment: lab2
Laboratory Contents:
 Step #1:
 string cdName = ""
 string artistsName = ""
 int numberOfSongsOnCD =
 int yearCDCameOut =
 string favoriteSongOnCD = ""
 Step #2:
 #include <iostream>
 using namespace std;
 class Music
   public:
   // Constructor methods
   Music();
   Music(const Music & music);
   ~Music();
 private:
  // Object attributes
   string cdName;
   string artistsName;
   int numberOfSongsOnCD;
   int yearCDCameOut;
   string favoriteSongOnCD;
 Step #3:
 #include "music.h"
 Music::Music()
   cdName = "";
   artistsName = "";
   numberOfSongsOnCD = 0;
   yearCDCameOut = 0;
   favoriteSongOnCD = "";
   cout << "In constructor\n";</pre>
 Music::Music(const Music & Music)
   cout << "In copy constructor\n";</pre>
 Music::~Music()
   cout << "In destructor\n";</pre>
 Step #4:
 main.cpp:(.text+0x6a): undefined reference to `Music::getcdName[abi:cxx11]()'
 /usr/bin/ld: main.cpp:(.text+0x92): undefined reference to `Music::getartistsName[abi:cxx11]()'
 /usr/bin/ld: main.cpp:(.text+0xb0): undefined reference to `Music::getnumberOfSongsOnCD()'
 collect2: error: ld returned 1 exit status
 Step #5:
 Katarina Humbert, UARK ID: 010984092In constructor
 In copy constructor
 In destructor
 In destructor
 Step #6:
 #include <iostream>
 using namespace std;
 class Music
 public:
  // Constructor methods
   Music();
   Music(const Music & music);
   ~Music();
   // Get methods
   string getcdName();
   string getartistsName();
   int getnumberOfSongsOnCD();
   int getyearCDCameOut();
   string getfavoriteSongOnCD();
   // Set methods
   void setcdName(string CDname);
   void setartistsName(string aName);
   void setnumberOfSongsOnCD(int numberofSongs);
   void setyearCDCameOut(int year);
  void setfavoriteSongOnCD(string favSong);
   // Output methods
   void printAll();
   void printInteresting();
 private:
  // Object attributes
   string cdName;
   string artistsName;
   int numberOfSongsOnCD;
   int yearCDCameOut;
   string favoriteSongOnCD;
 Step #7:
 #include "music.h"
 Music::Music()
   cdName = "";
   artistsName = "";
   numberOfSongsOnCD = 0;
   yearCDCameOut = 0;
   favoriteSongOnCD = "";
   cout << "In constructor\n";</pre>
 Music::Music(const Music & Music)
   cout << "In copy constructor\n";</pre>
 Music::~Music()
   cout << "In destructor\n";</pre>
 //Getter Methods
 string Music::getcdName()
   return cdName;
 string Music::getartistsName()
   return artistsName;
 int Music::getnumberOfSongsOnCD()
   return numberOfSongsOnCD;
 int Music::getyearCDCameOut()
   return yearCDCameOut;
 string Music::getfavoriteSongOnCD()
   return favoriteSongOnCD;
 //Setter Methods
 void Music::setcdName(string CDname)
   cdName = CDname;
 void Music::setartistsName(string aName)
   artistsName = aName;
 void Music::setnumberOfSongsOnCD(int numberofSongs)
   numberOfSongsOnCD = numberofSongs;
 void Music::setyearCDCameOut(int year)
   yearCDCameOut = year;
 void Music::setfavoriteSongOnCD(string favSong)
   favoriteSongOnCD = favSong;
 //Output Method
 void Music::printAll()
   cout << "CD Name: " << cdName << endl;
   cout << "Artist's Name: " << artistsName << endl;</pre>
   cout << "The CD has " << numberOfSongsOnCD << "songs." << endl;</pre>
   cout << "The CD was released in the year " << yearCDCameOut << endl;
   cout << "My favorite song on the CD is " << favoriteSongOnCD << endl << endl;
 void Music::printInteresting()
   cout << "Favorite CD Name: " << cdName << endl;</pre>
   cout << "My favorite song on my favorite CD is " << favoriteSongOnCD << endl;
 Step #8:
 #include <stdio.h>
 #include <iostream>
 #include "music.h"
 int main()
   printf("Katarina Humbert, UARK ID: 010984092");
   //Declare Objects
   Music song1;
```

• Print this lab report web page to a PDF file.

Music song2(song1);

song1.getcdName(); song1.getartistsName();

//Call Output Method song1.printAll();

song1.printInteresting();

CD Name: Queen - Greatest Hits

The CD was released in the year 2004

Favorite CD Name: Queen - Greatest Hits

song1.getnumberOfSongsOnCD(); song1.getyearCDCameOut(); song1.getfavoriteSongOnCD();

song1.setartistsName("Queen"); song1.setnumberOfSongsOnCD(20);

song1.setyearCDCameOut(2004);

song1.setcdName("Queen - Greatest Hits");

song1.setfavoriteSongOnCD("Somebody To Love");

Katarina Humbert, UARK ID: 010984092In constructor

My favorite song on the CD is Somebody To Love

My favorite song on my favorite CD is Somebody To Love

//Call Getters

//Call Setters

return 0;

In destructor In destructor

In copy constructor

Artist's Name: Queen The CD has 20songs.

Step #9:

- **Instructions:**
- Login to Blackboard and go to the labs section. • Upload this PDF file for grading and feedback.