

ECE220

Assignment 3

due Friday, April 17th 2020, 11:55 PM
(this assignment is worth 4% of the final mark)

There is one program to be written. The program should be written using the website:
<https://www.onlinegdb.com>. C++ file (only the file with the extension .cpp) should be uploaded on eClass.

Download the program **cd.cpp** from eClass. Analyze it and fully understand what it does. Write all methods including constructors and destructors. Use dynamic memory allocation instead of fixed size arrays. It is possible to submit a version of the program without dynamic memory allocation (in that case, the last four lines from the program's output shown below are not needed).

The program output's HAS TO be as follows:

```
*****
Title: Western Stars
Artist: Bruce Springsteen
Label: Columbia
No of tracks: 14
Time: 51
*****
*****
Title: Symphonies
Composer: Mozart
Performer: Karl Bohm
Label: DG
No of tracks: 23
Time: 146
*****
classicCD - memory released
CD - memory released
popRockCD - memory released
CD - memory released
```

Grading Schema (with dynamic memory allocation):

If everything is correct:	5 pts
If a program does not compile/serious error:	-3 pts
If wrong answer is provided:	-2 pts

Grading Schema (without dynamic memory allocation):

If everything is correct:	3 pts
If a program does not compile/serious error:	-2 pts
If wrong answer is provided:	-1 pts