

Given: Fri, Jan 31

Due: Thu, Feb 6, 3:00 p.m.

1. (100%) Modify the class `Song` of the previous assignment by doing the following:
 - (a) Organize your class as discussed in Section 2.1 of the notes. Declare methods to be inline, as appropriate.
 - (b) Add methods `title()`, `artist()` and `year()` that return, respectively, the title, artist and recording year of the song. The first two methods return a string *by constant reference*. The third one returns an integer. (Make sure to use these exact names for the methods.)
 - (c) Add methods `set_title(title)`, `set_artist(artist)` and `set_year(year)` that set the title, artist and recording year of the song to the given values. The first two methods take a string as argument, the third one takes an integer.
 - (d) Add a method `set(title, artist, year)` that sets the title, artist and recording year of the song to the given values. The first two arguments are strings, the third one is an integer.
 - (e) Replace the `equals` method by an equality operator (`==`).
 - (f) Replace the `less_than` method by a less-than operator (`<`).
 - (g) Replace the `print` method by an output operator (`<<`).

(h) Replace the `read` method by an input operator (`>>`).

Once again, you'll need to decide how arguments should be passed to the methods and operators.

Write (and submit) a test driver for your class. Make sure you test every method and operator.