The Music Album Object

DESCRIPTION

On your own, design and program a simple C# console application that enables the creation of one or more music albums as instances of an object Class.

REQUIREMENTS

1. Create a new C# Console Application.
2. Include a *Class* that represents a music album featuring the following object *properties*:
3. Name of the album
4. Name of the artist
5. Year of release
6. List of song tracks
7. Build a Class *constructor* that enables your program to create a new Album object instance, setting each of the above properties properly.
8. Create a Class *method* that does the following:
9. Outputs the name of the album, the artist, and the year of release to the console;
10. Outputs a neatly-formatted list of all of the album song tracks to the console.
11. Create at least *three* new *object instances* of the class Album.
12. Use the above method to output the Album object properties to the console for each Album object.
13. Be sure to include helpful and appropriate comments throughout your program.
14. In your program code comments, be sure to add citations and references for *any and all materials* that you consulted to help you produce your solution.
15. Either in the program comments code *or* below in the submission comment area below, please answer the following questions:
16. Did you use generative Artificial Intelligence (AI) to help you develop your program? Why or why not?
17. If you did use AI - how did you use it? If you did not, how do you think it might help you with a challenge like this?
18. Copy all of your code in the `Program.cs` file and your Class file (named something like `Album.cs`) and paste them directly into the submission field for this project.
19. Have fun!

TAKE IT FURTHER

If you are looking for more of a challenge, consider adding some additional features to your project beyond the basic requirements listed above. Here are some possibilities for you to consider:

- figure out a way to store the duration (in minutes and seconds) for each track and output it to the console
- enable the user to enter all of the information required to create a new album object manually via the console
- output other information about each album, like the total number of song tracks or the total time required to listen to the entire album
- anything else you can think of...

ASSESSMENT

Please see the attached rubric for individual category criteria and scores.

SUBMITTING YOUR WORK

Copy and paste your Program.cs file and any supporting object class files into the submission text area below. Please be sure to use the "Code snippet" (</>) button to retain your source code formatting. Please submit the working screenshots of the program or a small video showing the working.