

- 1.) It doesn't matter which one you choose, as the only key that matters in this case is student ID. When it comes to just accessing data with student ID, all three data structures fulfil the requirements necessary.
- 2.) The disqualified data structure would be AVL trees as it isn't the best choice for accessing consecutive values due to how values are organized (that is, not necessarily input in order). So, you might need to move through a tree from the root node multiple times.
- 3.) The disqualified data structure would be Hash Table as similar sounding songs, that is songs by the same artist, wouldn't necessarily be stored near each other. Whereas the unique combination of artist and title would lead to similar sounding sounds being stored relatively nearby, that may not hold true for hash tables.