CSC430/530 – Database Management Systems
Graduate Paper

Read Lesson 9 and see how hash tables are used for storing database content on disk. You might want to read the corresponding chapter in the textbook as well (which is Chapter 16). After getting a good idea of how everything works, research how B Trees and B+ Trees are used for physical storage. Chapter 17 from the textbook can help as it goes over this.

After researching B and B+ trees, write a paper that goes over everything. You should start the paper off with briefly explaining how hash tables are used (i.e. the content from Lesson 9 slides). Then you should fully explain how B and B+ trees are used. You should include custom made diagrams/figures to help with your explanations. After explanations of all approaches, you should compare and contrast them, citing the pros and cons of each approach. Finally, state what approach seems to be used the most often in industry.

The paper should have a minimum length of 3 pages, single spaced with 0.75" margins. You can leave a blank line between paragraphs if you wish. You should have at least 2 reputable URL sources which are stated at the end of the paper in a numbered list (like a References section).

Convert the paper to a pdf and submit it on Canvas.