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CISC3130 TY2

**ASSIGNMENT 4**

This assignment main goal was to build a webpage using HTML and CSS and show the word frequency of the lyrics that I have done in my last assignment. It was bit challenging and fun at the same time. Challenging because with the java and its framework, it was bit difficult to do the assignment. Then I choose to do with the python because it’s more convenient and its libraries are more powerful to show the analysis. I used the Christmastime by Vince Trio. It was a nice song to hear during the charismas. There was not any particular reason behind to using that song. Just because it’s holiday season and Christmas is knocking the door. I used the data structure Dictionary to do the analysis. Dictionary is a powerful tool in python to use. It’s more likely HashMap in java. I also used the library NumPy and matplotlib to show calculate the frequency. Also import graph from python library to show the graph in a webpage. The top word was “Christmastime” and it was kind of expected after hearing the song. I don’t think it was billboard top hit, but it is a nice song hear specially during the charismas time. I wanted to show some extra feature on the graph to show exact time that word has been used in the song but due to lack of time I couldn’t do it. But I will definitely try during the vacation and make it more presentable. Overall, it was nice experience to do that project with ups and down.

Thank you for giving us such type of work to explore more.