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CS 172

Individual Summary for final project

This program that I have designed is a chemistry tool that gives the detail of the elements from the periodic table and the details of the elements include element name, symbol, mass, charge and the atomic number. Similarly, the second part of my project includes the Chemical mixer where two elements combine to form a compound based on the properties that are on the periodic table.

For the project, all the concepts were from the class. I tried to include all the concepts that we had learnt in this semester from the beginning. The project begins by inputting a file from online and reading the file line by line. After, each line which has the name of an elements is passed as an abject which is stored in a vector of pointers that is pointing to the object itself.

I learnt how to use different functions CLS and sleep functions that made the program look cooler but this program has basic concepts and when I advance this program there are a lot things that I need to learn from the Internet.

The most surprising thing about this work was there is so much more that I can do with this project. from small things like just pointing out the elements name to carry out complex chemical formulas. I I've also thought about making a graphical user interface that I'd be learning over summer to make this the version two of my project. the graphical user interface would be really cool tool to use for students like us were studying chemistry and who can help be helped by doing the balance equations.