Digital-Modern-Periodic-Table

ABSTRACT

- The arrangement of chemical elements based on their electronic configuration,based on their atomic weights ,etc…,this is known as periodic table.This is periodic table consists of 118 elements.in this periodic table there are seven horizontal rows called as periods and vertical columns known as column.
- In 1800 Johann Dobereiner was the first to consider the idea of trends among theproperties of elements.By 1829 he noted a similarity among the physical and chemical properties of several groups of three elements(TRIADS).

- The another chemist,John Alexander NewLands in 1865 profounded the law of octaves. He arranged elements in diagonal relationship.But he idea is not accepted widely.

- A Russian chemist,Drmiti Mendeleev has tried to modify the periodic table by arranging the elements in the increasing order of their atomic weights,similarities appear in physical and chemical properties at regular intervals.

- His drawbacks are,he ignored the atomic numbers of elements ,and he arranged the elements with similar properties and he think that some of elements are not created by that time and he leaves the some gaps in the periodic table.

- He also placed the dissimilar elements in the same group. After that some another scientists were worked on the this periodic table and they finally developed the periodic table.

- Now-a-days It is very hard to remember all the 118 elements in the periodic table and details about each element like about their atomic weight,symbol,etc. so we propose an easy method to practice and learn in an efficient way.

- In this project we are using file handling in C i.e,creating file and storing the data in the file modifying and removing the stored data. We built an user interface for our project where we are going to classify

- the methods of searching for an element i.e we have four options where we have to select one option and give that information and it will display that element information.

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- The Modern Periodic Table project is a simple console application built without the use of graphics. It is developed using the C programming language for the purpose of storing name, symbol, atomic number, atomic weight, and some important properties as well as to display them as per requirement of the user.

- The key features of Modern Periodic Table mini project in C are briefly described below

- Storage of Element Information: In the project, you can add any new element with its name, symbol, atomic number, atomic weight and its some important properties.

- When new element information is to be added to this Modern Periodic Table, you have to enter 1 in the main menu and input information in given format. These information are stored in file created on the hard disk of computer by program itself.

- Exploration of element Information: Another main function of this project is to explore or to display the stored information. You can search an element by using any of the following method:

- By name of element
- By symbol of element
- By atomic number of element
- By atomic weight

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