

MINI PROJECT

DIGITAL MODERN PERIODIC TABLE

Problem Statement:

Implementation of Digital Modern Periodic Table which is a simple educational console application using C++ programming Language.

Objective:

Periodic Table is used to manage all the entries and data to the file for basic use of user. Project is developed by using basic concepts of C++ programming.

In project we can also use C++ graphics to look better. We provide the main menu options in the project from which you can select any.

This program will help students to get the details regarding each elements which are available within the periodic table. It will enable the students to get the details of each element by just one click. This program is easy to run and get details of each elements. Users have to just select the particular element by moving arrows up and down and then press enter to get information such as atomic number, their atomic value, their location in the periodic table.

Once the program has been run, it will display the **Home screen** displaying welcome and the people behind this project.

Functions and Concepts:

In project code we have defined a class and different functions in it. Functions names are as below:

Class

A class is a way to bind the data and its associated functions together. It allows the data to be hidden, if necessary, from external use.

In the beginning of the project we can add a welcome screen to welcome in any project.

For welcome screen we can use c++ graphics for creative welcome screen using graphic.h and dos.h

You can select any periodic element and see its configuration by clicking on the output screen.

Proposed System:

As this program is written in C++, so it will take a little amount of your disk space and memory to load and execute the program. You do not have to download any software to get the details of elements which are available under the periodic table. You have to just use the codes which are given for this program and run over your computer. When you will press any key, you will be taken to the main screen of periodic table section and its starting screen will be as:

Project Scope:

The main purpose behind successfully making this project is to easily get the specified element and its properties in one click for the learning students. They don't need to install any application, get disturbed by the ads that enter while using that application. It has tremendous scope in today's pandemic situation where students can make use of this project and enjoy the E-Learning.

Project by –

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