Mini Project

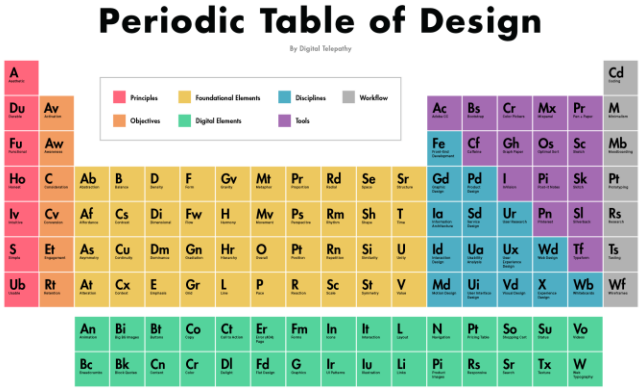
Digital Modern Periodic Table

Guided By –

A. B. Patil Sir

Project By –

- Rushikesh Mhetre (A26)
- Sanghavi Dorlikar (A28)
- Prathamesh Chavan (A36)
- Akshata Kulkarni (A37)



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OBJECTIVE

- The Digital Modern Periodic Table project is a simple Educational 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 source code for this project is complete and totally error free, and we welcome any feedback and suggestions.

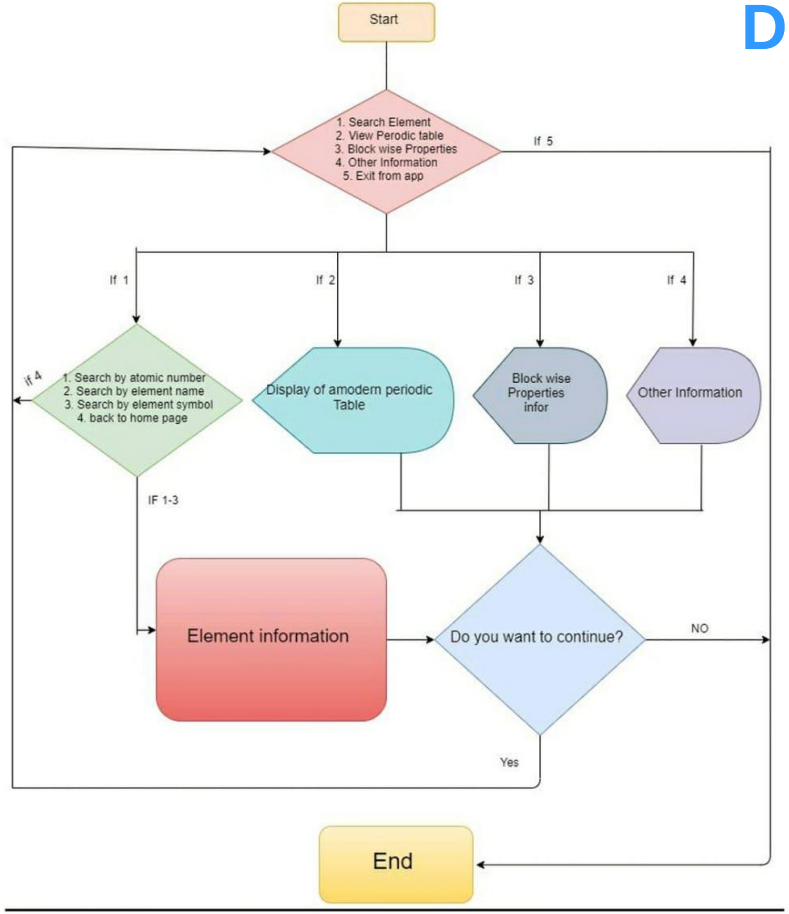
WORKING DESCRIPTION

This program is based on the 'Modern Periodic Table of Elements. It showcases all the elements and their basic properties including name, symbol, atomic number. atomic mass group and period.

This program contains 4 options:

1. Search for an element
2. View Modern periodic table
3. Block wise properties info
4. Exit from application.

DESIGN


Start
1. Search Element
2. View Perodic table
3. Block wise Properties
4. Other Information
5. Exit from app
If 5
If 1
If 2
If 3
If 4
If 4
1. Search by atomic number
2. Search by element name
3. Search by element symbol
4. back to home page
Display of amodern periodic Table
Block wise Properties infor
Other Information
IF 1-3
Element information
Do you want to continue?
NO
Yes
End

HEADER FILES & FUNCTIONS

Header Files:

1. iostream
2. conio.h
3. string.h
4. stdio.h
5. windows.h
6. process.h

Inbuilt Functions:

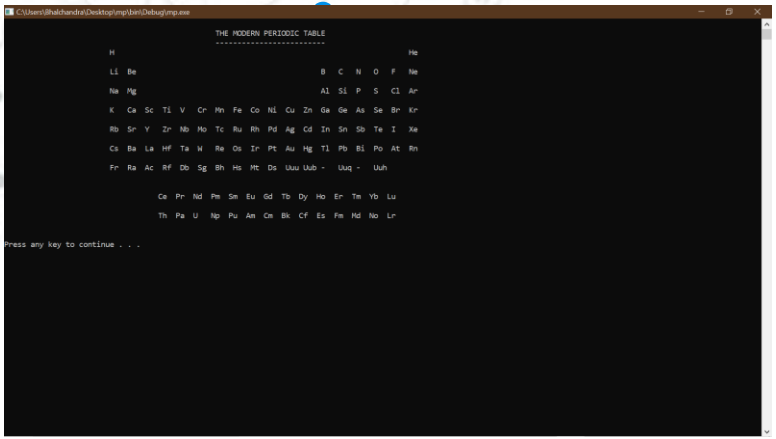
1. goto()
2. strcmpi()
3. strcpy()
4. clrscr()
5. getch()
6. gets()
7. Main()

KEY FEATURES

- **Exploration of element Information**: The 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

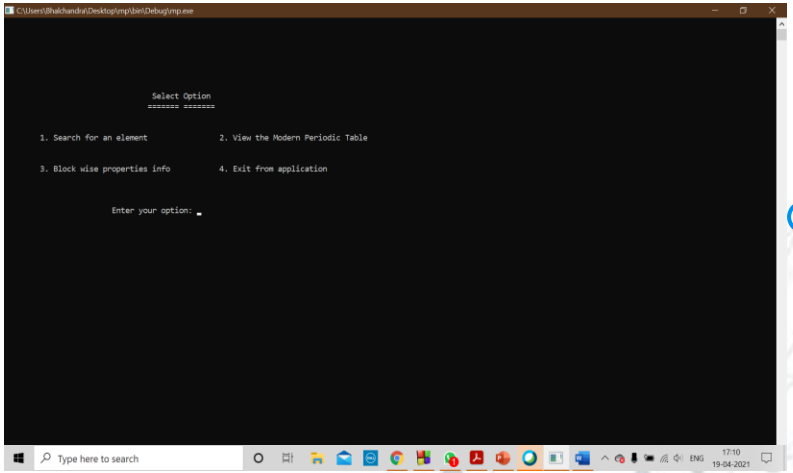
- **Block wise properties information:** User will find it easier to get basic information of all the four blocks of Modern Periodic Table.

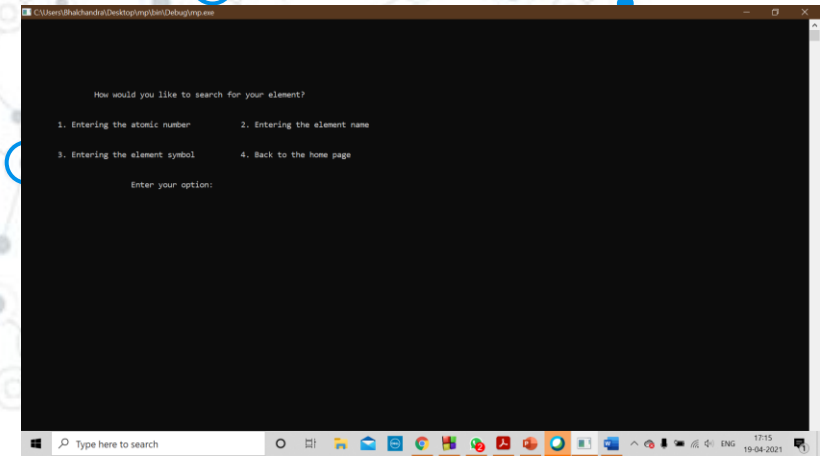
- Origin of every element



Modern Periodic Table display window

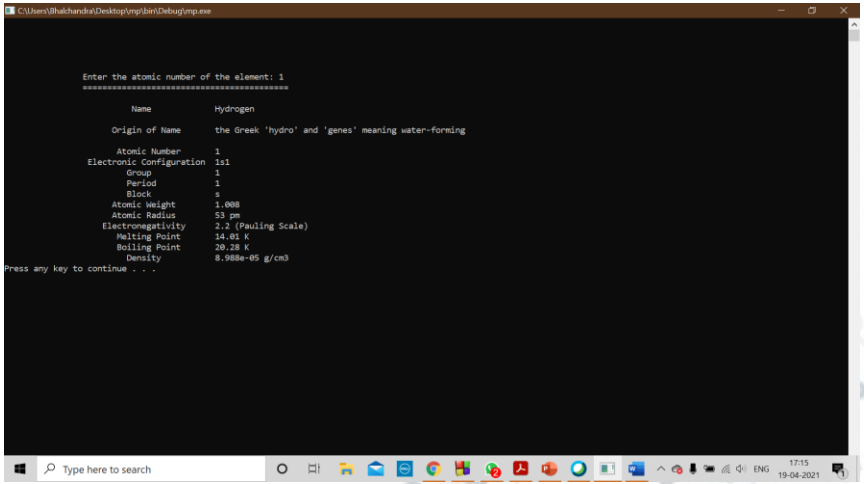
Option window



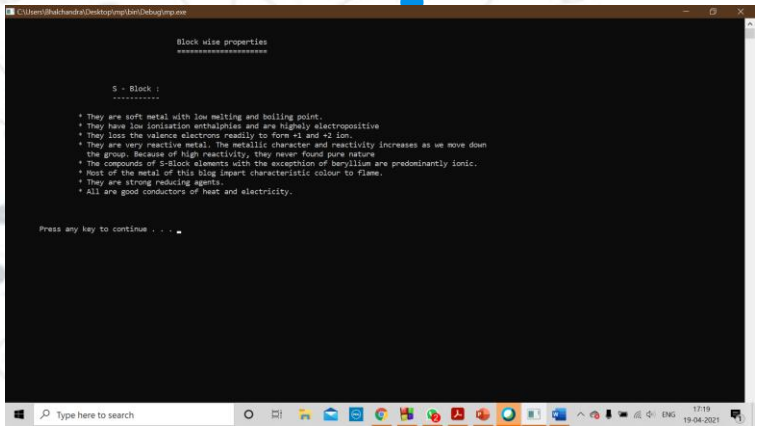


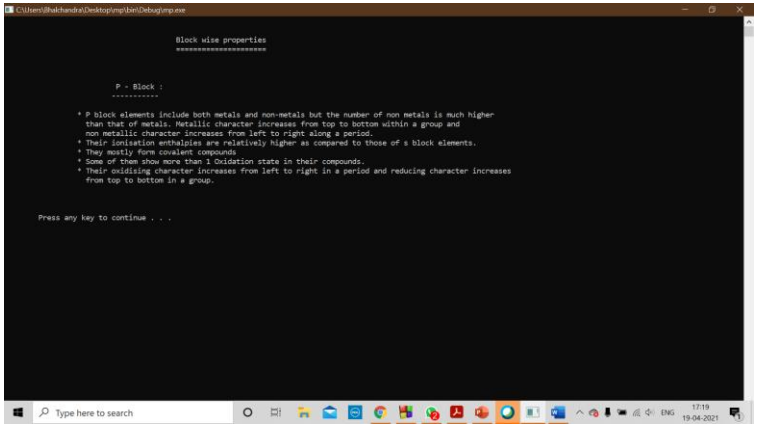
← Option 1 window

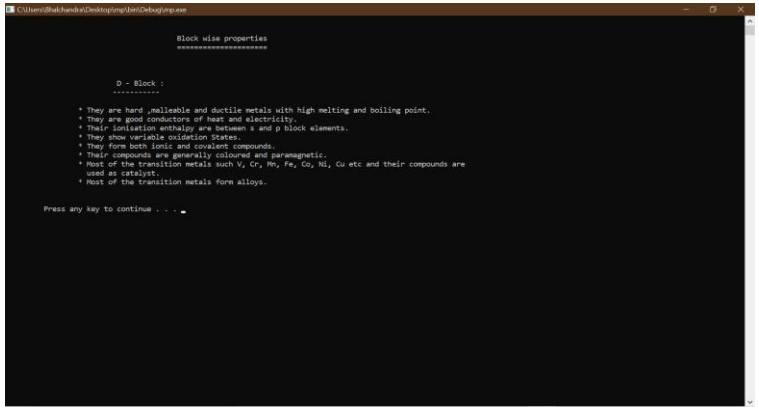
Element information window →

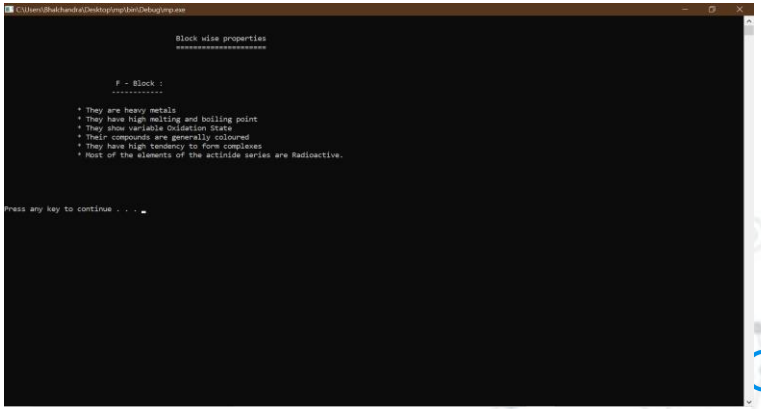


Block information windows









CONCLUSION

Modern Periodic Table is very useful application for the students where they can access to all the information of a particular element in just one click.

Keep Learning…☺

Thank you