**// Project ......**

**// Periodic Table Data Entry ..**

**/\* Structure of class ;;**

**Data Members :**

**int atno -- For Atomic Number**

**char name -- Element name**

**char symbol -- For Symbol**

**float atmas -- For Atomic Mass**

**float atrad -- For Atomic Radii**

**char block -- For Block Identification**

**Member Functions :**

**input();**

**\*/**

**/\* Program used to make the binary file which stores the**

**information (physical properties) of the element searched for \*/**

**#include<iostream.h>**

**#include<conio.h>**

**#include<stdio.h>**

**#include<fstream.h>**

**class periodic\_table**

{

int atno;

float atmas;

float atrad;

char name[20];

char symbol[6];

char block;

**public:**

void input()

{

cout<<"\n\n\n\t\t Enter Atomic Number : ";

cin>>atno;

cout<<endl;

cout<<"\t\t Enter Name of the ELEMENT : ";

gets(name);

cout<<endl;

cout<<"\t\t Enter Element SYMBOL : ";

gets(symbol);

cout<<endl;

cout<<"\t\t Enter Atomic Mass : ";

cin>>atmas;

cout<<endl;

cout<<"\t\t Enter Atomic RADIUS of the element : ";

cin>>atrad;

cout<<endl;

cout<<"\t\t Which BLOCK It Belongs to : ";

cin>>block;

}

};

**void main()**

{

**periodic\_table P ;**

ofstream out;

out.open("propinfo.dat",ios::app||ios::binary);

out.seekp(0,ios::end);

for(int i=0;i<1;i++)

{ clrscr();

P.input();

out.write((char\*)&P,sizeof(P));

cout<<" \n\n :) PROPERTIES INSERTED IN THE FILE";

}

out.close();

getch();

}