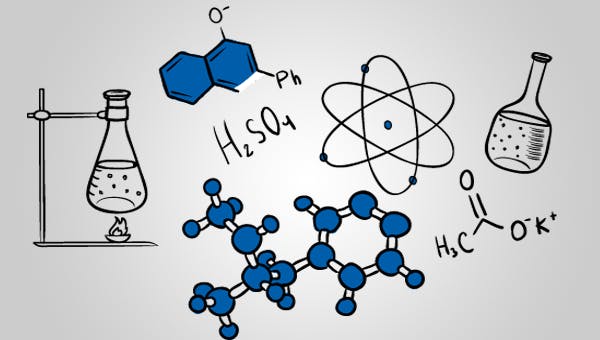
[Pick the date]



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| --- |
|  |

**Airport School , Ahmedabad**

NAME : Shrey Tripathi

LANGUAGE USED : C++

CLASS : 12th A

***AIRPORT SCHOOL AHMEDABAD***

***RAHUL UPADHYAY***

***BOARD ROLL NO : \_\_\_\_\_\_\_\_\_\_\_***

***Language used : C++***

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I extend my gratitude to my parents who were a beacon of support and gave their valuable ideas in making this project.

-Shrey Tripathi

****

**Certificate**

This is to certify that SHREY TRIPATHI of standard XII of Airport School Ahmedabad has successfully completed his/her project work in Computer Science (083) under the guidance of Mr. Arpit Desai.

School Stamp Teacher’s Signature : \_\_\_\_\_\_\_\_\_\_\_\_

Principal’s Signature: Examiner’s Signature: \_\_\_\_\_\_\_\_\_\_\_\_

Examiner’s Code:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**ABOUT PROJECT**

* This program is designed to provide students with a ready-made compilation of notes and important terms and definitions related to their chemistry curriculum of class 11 .
* **Tools, Facilities and Benefits offered** : To the beginners, this software can be very useful as it contains almost all the important terms about the topics they will be going to encounter during their one year journey .This may also help them during their revision time .Apart from the normal definitions , students can also search their history and add new topics on their own.
* **Places where it can be used** : This software can be used in schools , tuitions as well as in homes by the students during their their revision time or at the begginning of their academic session .
* **Weaknesses** : For the effective use and implementation of tis project many changes can be made like including some topics from cass 12 and giving more details abut the topics included.

**HEADER FILES USED**

|  |  |  |
| --- | --- | --- |
| Sr.No | Header Files | Functions |
| 1 | **FSTREAM.H** | close(),read(),write(),open(),close() |
| 2 | **CONIO.H** | clrscr(),cprintf(),getch(),  textcolor(),gotoxy() |
| 3 | **STDIO.H** | gets(),remove(),rename() |
| 4 | **STRING.H** | strcpy(),strcmpi(),strlen() |
| 5 | **DOS.H** | delay() |
| 6 | **PROCESS.H** | exit() |

**FUNCTIONS WITH DETAILS**

**Functions Description**

clrscr() This function is used to clear the output screen

getch() It reads character from keyboard

textcolor() This function is used to change text color

remove() Remove file

rename() Rename file

strcpy() Copy string

strcmpi() Compare characters of two strings

strlen() Get string length

delay() to suspend execution of program for a particular

time

gets() It reads line from keyboard

exit() terminates a C++ program

gotoxy() used to take the cursor to a particular co-ordinate of the screen

cprintf() to display contents on screen

read() reads the block of data from stream

write() writes the block of data from stream

open() defines the mode in which the file should be opened

close() Closes the file currently associated with the object

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**CODE**

**CHEMPRO.CPP**

#include<fstream.h>

#include<conio.h>

#include<stdio.h>

#include<process.h>

#include<string.h>

#include<dos.h>

int x,y,i,n,t,j;

char a,z,ch[50];

void abc();

void main();

void chapter();

void chapter1();

void cde();

void delet();

void display();

void one();//1

void two();//2

void three();//3

void four();//4

void five();//5

void six();//6

void seven();//7

void eight();//8

void nine();//9

void ten();//10

void eleven();//11

void twelve();//12

void thirteen();//13

void fourteen();//14

void graphic();

void CH1\_1();void CH1\_2();void CH1\_3();void CH1\_4();void CH1\_5();

void CH1\_6();void CH1\_7();void CH1\_8();void CH1\_9();

void CH2\_1();void CH2\_2();void CH2\_3();void CH2\_4();void CH2\_5();

void CH2\_6();void CH2\_7();void CH2\_8();void CH2\_9();

void CH3\_1();void CH3\_2();

void CH4\_1();void CH4\_2();void CH4\_3();void CH4\_4();

void CH5\_1();void CH5\_2();void CH5\_3();

void CH6\_1();void CH6\_2();void CH6\_3();

void CH7\_1();void CH7\_2();void CH7\_3();void CH7\_4();

void CH8\_1();void CH8\_2();

void CH9\_1();void CH9\_2();void CH9\_3();

void CH10\_1();void CH10\_2();void CH10\_3();

void CH11\_1();void CH11\_2();void CH11\_3();

void CH12\_1();void CH12\_2();void CH12\_3();void CH12\_4();

void CH13\_1();void CH13\_2();void CH13\_3();

void CH14\_1();void CH14\_2();void CH14\_3();

class history

{ char ch[50];

public:

void input(char bh[50])

{ gets(ch);

strcpy(ch,bh);

}

void display()

{ cout<<ch<<"\n\n"; }

char\* search()

{ return ch; }

}obj;

void graphic1()

{ clrscr();

int k=0;

for(k=79,i=1;k>40,i<40;k--,i++)

{ textcolor(3); //aqua color

gotoxy(i,1);

cprintf

("±");

textcolor(4); //red color

gotoxy(k,1);

cprintf("±");

}

textcolor(15); // white color

gotoxy(33,3);

cprintf("CHEMISTRY APP");

gotoxy(31,2);

cprintf("É");

gotoxy(47,2);

cprintf("»");

gotoxy(31,4);

cprintf("È");

gotoxy(47,4);

cprintf("¼");

textcolor(8); //grey color

for(i=32;i<47;i++)

{ gotoxy(i,2);

cprintf("=");

gotoxy(i,4);

cprintf("=");

}

gotoxy(31,3);

cprintf("|");

gotoxy(47,3);

cprintf("|");

}

void exit()

{ cout<<"ARE YOU SURE YOU WANT TO EXIT (Y/N) ? :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ main(); }

}

void search()

{ graphic();

textcolor(18);

gotoxy(1,5);

char x[50];

char pr;

cin.get(pr);

ofstream chem("histo.dat",ios::out|ios::app);

cout<<"\n""ENTER THE CHAPTER NAME :- ""\n";

gets(x);

if(strcmpi(x,"SOME BASIC CONCEPTS OF CHEMISTRY")==0)

{ one(); }

if(strcmpi(x,"STRUCTURE OF ATOM")==0)

{ two(); }

if(strcmpi(x,"CLASSIFICATION OF ELEMENTS AND PERIODICITY")==0)

{ three(); }

if(strcmpi(x,"CHEMICAL BONDING AND MOLECULAR STRUCTURE")==0)

{ four(); }

if(strcmpi(x,"STATES OF MATTER")==0)

{ five(); }

if(strcmpi(x,"THERMODYNAMICS")==0)

{ six(); }

if(strcmpi(x,"EQUILIBRIUM")==0)

{ seven(); }

if(strcmpi(x,"REDOX REACTIONS")==0)

{ eight(); }

if(strcmpi(x,"HYDROGEN")==0)

{ nine(); }

if(strcmpi(x,"THE S-BLOCK ELEMENTS")==0)

{ ten(); }

if(strcmpi(x,"THE P-BLOCK ELEMENTS")==0)

{ eleven(); }

if(strcmpi(x,"ORGANIC CHEMISTRY")==0)

{ twelve(); }

if(strcmpi(x,"HYDROCARBONS")==0)

{ thirteen(); }

if(strcmpi(x,"ENVIRONMENTAL CHEMISTRY")==0)

{ fourteen(); }

else if(strcmpi(x,"0")==0)

{ main(); }

else

{ cout<<"\n""SORRY , THERE IS NO SUCH CHAPTER"; }

obj.input(x);

chem.write((char\*)&obj,sizeof(obj));

chem.close();

}

void delet()

{ clrscr();

graphic1();

gotoxy(1,5);

char ch[50],c[10],sh[10],i=0,j=0;

cout<<"YOU NEED TO ENTER THE PASSWORD TO DELETE A CHAPTER";//PASSWORD

cout<<"\n""Enter FIVE LETTER password :- ";

strcpy(sh,"APSCOMP");

lop:

while(i<7)

{ c[i]=getch();

cout<<"\*";

if(c[i]!=sh[i])

{ j=1; }

if(i>5)

{ goto lop; }

i++;

}

if(j==1)

{ char a;

cout<<"\n""Incorrect password!!";

cout<<"\n""Return to main menu ? (Y/N)";

cin>>a;

if(a=='y'||a=='Y')

{ main(); }

else if(a=='n'||a=='N')

{ exit(1); }

}

else

{ cout<<"Enter the name of the chapter you want to delete :- ""\n";

gets(ch);

ifstream chem("histo.dat",ios::in);

ofstream chem1("temp.dat",ios::out|ios::app);

while(chem.read((char\*)&obj,sizeof(obj)))

{ if(strcmpi(obj.search(),ch)==0)

{ //data found }

else

{ chem1.write((char\*)&obj,sizeof(obj)); }

}

remove("histo.dat");

rename("temp.dat","histo.dat");

chem.close();

chem1.close();

//data saved successfully

}

getch();

}

void display()

{ clrscr();

graphic1();

gotoxy(1,5);

ifstream chem("histo.dat",ios::in);

cout<<"Here are your last search results :- ""\n";

int ww=1;

while(ww<=5)

{ while(chem.read((char\*)&obj,sizeof(obj)))

{ cout<<ww<<". ";

obj.display();

ww++; }

}

chem.close();

getch();

} void graphic()

{ clrscr();

textcolor(3);

for(int l=1;l<26;l++)

{ if(l%2==0)

{ textcolor(3);

gotoxy(78,l);

cprintf("±±");

}

if(l%2!=0)

{ textcolor(4); //red color

gotoxy(78,l);

cprintf("±±"); }

}

int k=0;

for(k=79,i=1;k>40,i<40;k--,i++)

{ textcolor(3); //aqua color

gotoxy(i,1);

cprintf("þþ");

textcolor(4); //red color

gotoxy(k,1);

cprintf("þþ"); }

textcolor(15); //white color

gotoxy(33,3);

cprintf("CHEMISTRY APP");

gotoxy(31,2);

cprintf("É");

gotoxy(47,2);

cprintf("»");

gotoxy(31,4);

cprintf("È");

gotoxy(47,4);

cprintf("¼");

textcolor(8); //grey color

for(i=32;i<47;i++)

{ gotoxy(i,2);

cprintf("=");

gotoxy(i,4);

cprintf("="); }

int j=0;

for(i=1,j=48;i<32,j<78;i++,j++)

{ if(i<31)

{ gotoxy(i,3);

cprintf("-"); }

gotoxy(j,3);

cprintf("-"); }

gotoxy(31,3);

cprintf("|");

gotoxy(47,3);

cprintf("|"); }

void chapter()

{ graphic();

textcolor(2); //green color

gotoxy(1,5);

cout<<"(1) SOME BASIC CONCEPTS OF CHEMISTRY";

cout<<"\n""(2) STRUCTURE OF ATOM";

cout<<"\n""(3) CLASSIFICATION OF ELEMENTS AND PERIODICITY";

cout<<"\n""(4) CHEMICAL BONDING AND MOLECULAR STRUCTURE";

cout<<"\n""(5) STATES OF MATTER";

cout<<"\n""(6) THERMODYNAMICS";

cout<<"\n""(7) EQUILIBRIUM";

cout<<"\n""0-MORE";

cout<<"\n""99-BACK";

cout<<"\n""22-EXIT";

cout<<"\n\n\t""ENTER THE CHAPTER NUMBER IN WHICH YOU ARE INTERESTED:- ";

cin>>x;

if(x==7||x==6||x==5||x==4||x==3||x==2||x==1||x==0||x==22||x==99)

{ if(x==1)

{ one(); }

else if(x==2)

{ two(); }

else if(x==3)

{ three(); }

else if(x==4)

{ four(); }

else if(x==5)

{ five(); }

else if(x==6)

{ six(); }

else if(x==7)

{ seven(); }

else if(x==0)

{ chapter1(); }

else if(x==99)

{ main(); }

else if(x==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ main(); }

else

{ cout<<"Wrong Input"; }

}

else

{ cout<<"!! INVALID INPUT !!"; }

}

else

{ cout<<"!! INVALID INPUT !!""\n""\n""Want to exit ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(); }

else if(a=='n'||a=='N')

{ main(); }

}

}

void chapter1()

{ clrscr();

graphic();

textcolor(2);

gotoxy(1,5);

cout<<"(8) REDOX REACTIONS";

cout<<"\n""(9) HYDROGEN";

cout<<"\n""(10) THE s-BLOCK ELEMENTS";

cout<<"\n""(11) THE p-BLOCK EEMENTS";

cout<<"\n""(12) ORGANIC CHEMISTRY";

cout<<"\n""(13) HYDROCARBONS";

cout<<"\n""(14) ENVIRONMENTAL CHEMISTRY";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE CHAPTER NUMBER IN WHICH YOU ARE INTERESTED:-""\n";

cin>>i;

if(i==14||i==13||i==12||i==11||i==10||i==9||i==8||i==0||i==22)

{ if(i==8)

{ eight(); }

else if(i==9)

{ nine(); }

else if(i==10)

{ ten(); }

else if(i==11)

{ eleven(); }

else if(i==12)

{ twelve(); }

else if(i==13)

{ thirteen(); }

else if(i==14)

{ fourteen(); }

else if(i==0)

{ chapter(); }

else if(i==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

( exit(1); }

else if(a=='n'||a=='N')

{ main(); }

else

{ cout<<"Wrong Input"; }

}

else

{ cout<<"!! INVALID INPUT !!" }

}

else

{ cout<<"!! INVALID INPUT !!""\n""\n""Want to exit ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(); }

else if(a=='n'||a=='N')

{ main(); }

}

}

void one() //chapter 1

( clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) IMPORTANCE OF CHEMISTRY";

cout<<"\n""(2) NATURE OF MATTER";

cout<<"\n""(3) STOICHIOMETRY";

cout<<"\n""(4) MEASUREMENT";

cout<<"\n""(5) ATOMIC AND MOLECULAR MASSES";

cout<<"\n""(6) DALTON'S ATOMIC THEORY";

cout<<"\n""(7) LAWS OF CHEMICAL COMBINATIONS";

cout<<"\n""(8) MOLE CONCEPT AND MOLAR MASSES";

cout<<"\n""(9) PERCENTAGE COMPOSITION";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-";

cin>>y;

if(y==1)

{ CH1\_1();}

if(y==2)

{ CH1\_2();}

if(y==3)

{ CH1\_3();}

if(y==4)

{ CH1\_4();}

if(y==5)

{ CH1\_5();}

if(y==6)

{ CH1\_6();}

if(y==7)

{ CH1\_7();}

if(y==8)

{ CH1\_8();}

if(y==9)

{ CH1\_9();}

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ one(); }

}

else

cout<<"!! INVALID INPUT !!";

}

void two()//2

{ graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) DISCOVERY OF PROTONS AND ELECTRONS";

cout<<"\n""(2) ATOMIC NUMBER AND ATOMIC MASS";

cout<<"\n""(3) ATOMIC ORBITALS";

cout<<"\n""(4) ATOMIC RADIUS";

cout<<"\n""(5) ATOMIC SPECTRA";

cout<<"\n""(6) ATOMIC THEORY";

cout<<"\n""(7) ATOMICITY";

cout<<"\n""(8) CHARGE ON AN ELECTRON";

cout<<"\n""(9) CHARGE TO MASS RATIO OF AN ELECTRON";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH2\_1(); }

if(y==2)

{ CH2\_2(); }

if(y==3)

{ CH2\_3(); }

if(y==4)

{ CH2\_4(); }

if(y==5)

{ CH2\_5(); }

if(y==6)

{ CH2\_6(); }

if(y==7)

{ CH2\_7(); }

if(y==8)

{ CH2\_8(); }

if(y==9)

{ CH2\_9(); }

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ two(); }

}

}

void three() //3

{ graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : INTRODUCTION TO THE PERIODIC TABLE";

cout<<"\n""(2) PART 2 : PERIODIC TRENDS IN THE PERIODIC TABLE";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH3\_1(); }

else if(y==2)

{ CH3\_2(); }

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ three() }

}

}

void four() //4

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : INTRODUCTION";

cout<<"\n""(2) PART 2 : VALENCE SHELL ELECTRON PAIR REPULSION THEORY";

cout<<"\n""(3) PART 3 : VALENCE BOND THEORY";

cout<<"\n""(4) PART 4 : MOLECULAR ORBITAL THEORY";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH4\_1(); }

else if(y==2)

{ CH4\_2(); }

else if(y==3)

{ CH4\_3(); }

else if(y==4)

{ CH4\_4(); }

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ four(); }

}

}

void five() //5

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : INTRODUCTION";

cout<<"\n""(2) PART 2 : THE LAWS";

cout<<"\n""(3) PART 3 : PROPERTIES OF MATTER";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH5\_1(); }

else if(y==2)

{ CH5\_2(); }

else if(y==3)

{ CH5\_3(); }

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ five(); }

}

}

void six() //6

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : INTRODUCTION AND THERMODYNAMIC LAW";

cout<<"\n""(2) PART 2 : THE THERMODYNAMIC VARIABLES";

cout<<"\n""(3) PART 3 : THERMOCHEMISTRY";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH6\_1(); }

else if(y==2)

{ CH6\_2(); }

else if(y==3)

{ CH6\_3(); }

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ six(); }

}

}

void seven() //7

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : EQUILIBRIUM-INTRODUCTION";

cout<<"\n""(2) PART 2 : EQUILIBRIUM CONSTANT AND ELECTROLYTES";

cout<<"\n""(3) PART 3 : ACIDS AND BASES";

cout<<"\n""(4) PART 4 : IONIZATION";

cout<<"\n""0-BACK TO MAIN MENU";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH7\_1(); }

else if(y==2)

{ CH7\_2(); }

else if(y==3)

{ CH7\_3(); }

else if(y==4)

{ CH7\_4(); }

else if(y==0)

{ chapter(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ seven(); }

}

}

void eight() //8

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : REDOX REACTIONS - INTRODUCTION";

cout<<"\n""(2) PART 2 : REDOX REACTIONS - PROPERTIES";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH8\_1(); }

else if(y==2)

{ CH8\_2(); }

else if(y==0)

{ chapter1(); }

else if(y==99)

{ main(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ eight(); }

}

}

void nine() //9

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : HYDROGEN - INTRODUCTION";

cout<<"\n""(2) PART 2 : DIHYDROGEN";

cout<<"\n""(3) PART 3 : WATER AND HYDROGEN PEROXIDE";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH9\_1(); }

else if(y==2)

{ CH9\_2(); }

else if(y==3)

{ CH9\_3(); }

else if(y==0)

{

chapter1();

}

else if(y==99)

{ main(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ nine(); }

}

}

void ten() //10

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : PHYSICAL PROPERTIES OF THE s-BLOCK ELEMENTS";

cout<<"\n""(2) PART 2 : THE ALKALI METALS";

cout<<"\n""(3) PART 3 : THE ALKALINE EARTH METALS";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH10\_1(); }

else if(y==2)

{ CH10\_2(); }

else if(y==3)

{ CH10\_3(); }

else if(y==0)

{ chapter1(); }

else if(y==99)

{ main(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ ten(); }

}

}

void eleven() //11

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : PHYSICAL PROPERTIES OF THE p-BLOCK ELEMENTS";

cout<<"\n""(2) PART 2 : THE BORON FAMILY";

cout<<"\n""(3) PART 3 : THE CARBON FAMILY";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH11\_1() }

else if(y==2)

{ CH11\_2(); }

else if(y==3)

{ CH11\_3(); }

else if(y==0)

{

chapter1();

}

else if(y==99)

{

main();

}

else if(y==22)

{

cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{

exit(1);

}

else if(a=='n'||a=='N')

{

eleven();

}

}

}

void twelve() //12

{

clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : ORGANIC CHEMISTRY - INTRODUCTION";

cout<<"\n""(2) PART 2 : STRUCTURE AND NOMENCLATURE OF ORGANIC COMPOUNDS";

cout<<"\n""(3) PART 3 : ORGANIC REACTION MECHANISMS";

cout<<"\n""(4) PART 4 : PURIFICATION OF ORGANIC COMPOUNDS";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH12\_1(); }

else if(y==2)

{ CH12\_2(); }

else if(y==3)

{ CH12\_3(); }

else if(y==4)

{ CH12\_4(); }

else if(y==0)

{ chapter1(); }

else if(y==99)

{ main(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ twelve(); }

}

}

void thirteen() //13

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : HYDROCARBONS - INTRODUCTION";

cout<<"\n""(2) PART 2 : ALKANES , ALKENES AND ALKYNES";

cout<<"\n""(3) PART 3 : AROMATIC COMPOUNDS";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH13\_1(); }

else if(y==2)

{ CH13\_2(); }

else if(y==3)

{ CH13\_3(); }

else if(y==0)

{ chapter1();

else if(y==99)

{ main();

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ thirteen(); }

}

}

void fourteen() //14

{ clrscr();

graphic();

textcolor(18);

gotoxy(1,5);

cout<<"(1) PART 1 : ENVIROMENTAL CHEMISTRY - INTRODUCTION";

cout<<"\n""(2) PART 2 : ATMOSPHERIC POLLUTION";

cout<<"\n""(3) PART 3 : CONTROLLING POLLUTION";

cout<<"\n""99-BACK TO MAIN MENU";

cout<<"\n""0-BACK";

cout<<"\n""22-EXIT";

cout<<"\n""ENTER THE TOPIC NUMBER WHICH YOU WANT TO SEARCH:-""\n";

cin>>y;

if(y==1)

{ CH14\_1(); }

else if(y==2)

{ CH14\_2(); }

else if(y==3)

{ CH14\_3(); }

else if(y==0)

{ chapter1(); }

else if(y==99)

{ main(); }

else if(y==22)

{ cout<<"ARE YOU SURE YOU WANT TO EXIT ? (Y/N) :- ";

cin>>a;

if(a=='y'||a=='Y')

{ exit(1); }

else if(a=='n'||a=='N')

{ fourteen();

}

}

}

void CH1\_1() //importanceofchemistry(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-1.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH1\_2() //NATUREOFMATTER(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-2.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH1\_3() //stoichiometry(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-3.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one();

} else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH1\_4() //measurement(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-4.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main();

}else

{ cout<<"WRONG INPUT"; }

}

void CH1\_5() //atomicandmolecularmasses(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-5.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main();

}else

{ cout<<"WRONG INPUT"; }

}

void CH1\_6() //daltonsatomictheory(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-6.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT";

}

}

void CH1\_7() //lawsofchemicalcombination(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-7.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH1\_8() //moleconceptandmolarmasses(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-8.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH1\_9() //percentagecomposition(ch1)

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH1-9.tx t",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n\t""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ one(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_1() //DISCOVERYOFPRotonsandelectrons(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-1.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n""Want to see another topic in this chapter?(Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_2() //atomicnumberandatomicmass(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-2.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main();; }

else

{

cout<<"WRONG INPUT";

}

}

void CH2\_3() //atomicorbitals(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-3.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two();

}

else if(z=='n'||z=='N')

{

main();

}

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_4() //atomicradius(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-4.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_5() //atomicspectra(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-5.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{

two();

}

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_6() //atomictheory(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-6.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

} cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_7() //atomicity(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-7.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_8() //chargeonelectron(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-8.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH2\_9() //chargetomassratioofelectron(ch2)

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH2-9.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n\n""Want to see another topic in this chapter?(Y/N)";

cin>>z;

if(z=='y'||z=='Y')

{ two(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH3\_1()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH3-1.txt",ios::in);

while(!iff.eof())

{

iff>>ch;

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see PART 2 of this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ three(); }

else if(z=='n'||z=='N')

{ main(); }

else

{

cout<<"WRONG INPUT";

}

}

void CH3\_2()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH3-2.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see PART 1 of this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ three(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH4\_1()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH4-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ four(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH4\_2()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH4-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ four(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH4\_3()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH4-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{

four();

}

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH4\_4()

{

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH4-4.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{

four();

}

else if(z=='n'||z=='N')

{

main();

}

else

{

cout<<"WRONG INPUT";

}

}

void CH5\_1()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH5-1.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ five(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH5\_2()

{ graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH5-2.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ five(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH5\_3()

{

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH5-3.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic in this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ five(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH6\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH6-1.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{ six(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH6\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH6-2.txt",ios::in);

while(!iff.eof())

{ iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{ six(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH6\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH6-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{ six(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH7\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH7-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{ seven(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH7\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH7-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{ seven(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH7\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH7-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{ seven(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH7\_4()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH7-4.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to continue?[y/n] : ";

cin>>z;

if(z=='y'||z=='Y')

{

seven();

}

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH8\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH8-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{

eight();

}

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH8\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH8-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ eight(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH9\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH9-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ nine(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH9\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH9-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ nine(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH9\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH9-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ nine(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH10\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH10-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ ten(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH10\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH10-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ ten(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH10\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH10-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{

ten();

}

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}

void CH11\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH11-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ eleven(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH11\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH11-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ eleven(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH11\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH11-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ eleven(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH12\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH12-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ twelve(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH12\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH12-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ twelve(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH12\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH12-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ twelve(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH12\_4()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH12-4.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ twelve(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH13\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH13-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ thirteen(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH13\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH13-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ thirteen(); }

else if(z=='n'||z=='N')

{ main(); }

}void CH13\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH13-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ thirteen(); }

else if(z=='n'||z=='N')

{ main();; }

else

{ cout<<"WRONG INPUT"; }

}void CH14\_1()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH14-1.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ fourteen(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH14\_2()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH14-2.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{ fourteen(); }

else if(z=='n'||z=='N')

{ main(); }

else

{ cout<<"WRONG INPUT"; }

}void CH14\_3()

{ clrscr();

graphic1();

textcolor(18);

gotoxy(1,5);

ifstream iff("CH14-3.txt",ios::in);

while(!iff.eof())

{

iff.getline(ch,50,'\n');

cout<<ch;

cout<<" ";

delay(500);

}

cout<<"\n""Want to see another topic i this chapter ? (Y/N) : ";

cin>>z;

if(z=='y'||z=='Y')

{

fourteen();

}

else if(z=='n'||z=='N')

{

main();

}

else

{ cout<<"WRONG INPUT"; }

}

void draw()

{

int mm=3,r1=62,r2=7,yy=3,y1=69,y2=75,kk=20,cc=3,rr=61,a1=28;

int p1=37,p2=46,ii=37,tt=52;

clrscr();

//for s

textcolor(2);

gotoxy(48,10);

cprintf("º");

gotoxy(47,10);

cprintf("º");

gotoxy(46,10);

cprintf("º");

gotoxy(49,10);

cprintf("º");

gotoxy(46,2);

cprintf("º");

gotoxy(47,2);

cprintf("º");

gotoxy(48,2);

cprintf("º");

gotoxy(49,2);

cprintf("º");

gotoxy(46,6);

cprintf("º");

gotoxy(47,6);

cprintf("º");

gotoxy(48,6);

cprintf("º");

gotoxy(49,6);

cprintf("º");

gotoxy(45,9);

cprintf("º");

gotoxy(50,3);

cprintf("º");

gotoxy(45,3);

cprintf("º");

gotoxy(45,4);

cprintf("º");

gotoxy(45,5);

cprintf("º");

gotoxy(50,7);

cprintf("º");

gotoxy(50,8);

cprintf("º");

gotoxy(50,9);

cprintf("º");

//FOR C

textcolor(12);

gotoxy(8,3);

cprintf("º");

gotoxy(8,9);

cprintf("º");

// for ||

int aa=14;

for(int i=2;i<11;i++)

{

//FOR C

textcolor(12);

gotoxy(2,i);

cprintf("º");

//for M

textcolor(2);

gotoxy(27,i);

cprintf("º");

gotoxy(35,i);

cprintf("º");

//for H

textcolor(13);

gotoxy(10,i);

cprintf("º");

gotoxy(17,i);

cprintf("º");

textcolor(9);

//for t

gotoxy(55,i);

cprintf("º");

//for E

textcolor(9);

gotoxy(19,i);

cprintf("º");

//for i

textcolor(4);

gotoxy(40,i);

cprintf("º");

//for a of next line

textcolor(15);

gotoxy(27,aa);

cprintf("º");

gotoxy(34,aa);

cprintf("º");

//for p1

gotoxy(36,aa);

cprintf("º");

//for p2

gotoxy(45,aa);

cprintf("º");

//FOR R

textcolor(13);

gotoxy(60,i);

cprintf("º");

if(i<7)

{

textcolor(13);

gotoxy(66,i);

cprintf("º");

textcolor(15);

//for p1

gotoxy(43,aa);

cprintf("º");

//for p2

gotoxy(52,aa);

cprintf("º"); }

else {

// FOR Y

textcolor(12);

gotoxy(72,i);

cprintf("º");

gotoxy(68,2);

cprintf("º");

gotoxy(76,2);

cprintf("º");

}

aa++;

}

// for =

for(i=11;i<17;i++)

{

//for C

textcolor(12);

gotoxy(cc,2);

cprintf("º");

gotoxy(cc,10);

cprintf("º");

//for h

textcolor(13);

gotoxy(i,6);

cprintf("º");

//FOR R

gotoxy(rr,2);

cprintf("º");

gotoxy(rr,6);

cprintf("º");

textcolor(9);

//for E

gotoxy(kk,2);

cprintf("º");

gotoxy(kk,6);

cprintf("º");

gotoxy(kk,10);

cprintf("º");

kk++;

textcolor(15);

//for a of next line

gotoxy(a1,14);

cprintf("º");

gotoxy(a1,18);

cprintf("º");

//for p1

gotoxy(p1,14);

cprintf("º");

gotoxy(p1,18);

cprintf("º");

//for p2

gotoxy(p2,14);

cprintf("º");

gotoxy(p2,18);

cprintf("º");

textcolor(4);

//for i

if(ii!=40)

{

gotoxy(ii,2);

cprintf("º");

gotoxy(ii,10);

cprintf("º");

if(tt!=55)

{

textcolor(9);

gotoxy(tt,2);

cprintf("º");

}

else

{

textcolor(9);

tt++;

gotoxy(tt,2);

cprintf("º");

}

}

else

{

ii++;

gotoxy(ii,2);

cprintf("º");

gotoxy(ii,10);

cprintf("º");

if(tt!=55)

{

textcolor(9);

gotoxy(tt,2);

cprintf("º");

}

else

{

textcolor(9);

tt++;

gotoxy(tt,2);

cprintf("º");

}

}

ii++;

tt++;

cc++;

rr++;

a1++;

p1++;

p2++;

}

for(i=28,kk=34;i<31,kk>31;i++,kk--)

{

//for m

textcolor(2);

gotoxy(i,mm);

cprintf("º");

gotoxy(kk,mm);

cprintf("º");

//FOR Y

textcolor(12);

gotoxy(y1,yy);

cprintf("º");

gotoxy(y2,yy);

cprintf("º");

//FOR R

textcolor(13);

gotoxy(r1,r2);

cprintf("º");

r1++;

r2++;

mm++;

yy++;

y1++;

y2--;

}

//FOR R

gotoxy(r1,r2);

cprintf("º");

//FOR M

textcolor(2);

gotoxy(31,6);

cprintf("é");

//FOR Y

textcolor(12);

gotoxy(71,6);

cprintf("Èº¼");

for(i=2;i<77;i++)

{

textcolor(10);

gotoxy(i,11);

cprintf("Ü");

}

for(i=27;i<53;i++)

{

textcolor(10);

gotoxy(i,23);

cprintf("Ü");

}

delay(2000);

}

void main()

{ int choice;

draw();

application:

graphic();

textcolor(18); //green color

gotoxy(1,5);

cout<<"(1) SEARCH BY CHAPTER NAME";

cout<<"\n""(2) CHAPTERWISE LEARNING";

cout<<"\n""(3) DELETE CHAPTERS";

cout<<"\n""(4) VIEW SEARCH HISTORY";

cout<<"\n""(5) EXIT""\n\n\t";

cout<<"Enter your choice :- ";

cin>>choice;

if(choice==1)

{

search();

}

else if(choice==2)

{ chapter(); }

else if(choice==3)

{ delet(); }

else if(choice==4)

{ display(); }

else if(choice==5)

{ exit(); }

else

{

cout<<"\n\n\t""!! WRONG INPUT !!""\n""Would you like to enter again ? (Y/N):- ";

cin>>a;

if(a=='y'||a=='Y')

{

goto application;

}

else

{

exit();

}

}

getch();

}

**OUTPUT**

