#include<stdio.h>

int main()

{

int n;

int m;

int a;

int Exit;

int Exi;

printf("Welcome to Modern Periodic Table\n\n");

printf("> Enter 1 to know about an element\n\n");

printf("> Enter 2 to close the Periodic Table\n\n");

printf("ENTER\n");

scanf("%d", &n);

if(n==1)

{

printf("> Press 3 to search the element by Atomic Number\n\n");

printf("ENTER\n");

scanf("%d", &m);

if(m==3)

{

printf("Enter the Atomic Number of the element to be searched : ");

scanf("%d", &a);

if(a==1)

{

printf("Name : Hydrogen\n");

printf("Symbol : H\n");

printf("Atomic Number : 1\n");

printf("Atomic Mass : 1.00784u\n");

printf("Electronic Configuration : 1s^1\n");

printf("Discovered : Henry Cavendish\n");

printf("Charge : +1\n");

}

}

}

else if(n==2)

{

printf("Do you want to exit? (Yes/no)\n");

printf("> Press 6 for Yes\n\n");

printf("> Press 7 for No\n\n");

printf("ENTER\n");

scanf("%d", &Exit);

if(Exit==6)

{

printf("Are you sure, you want to close the periodic table? (Yes/No)\n\n");

printf("> Press 4 for Yes\n\n");

printf("> Press 5 for No\n\n");

printf("ENTER\n");

scanf("%d", &Exi);

if(Exi==4)

{

printf("The Periodic Table has closed");

}

else if(Exi==5)

{

printf("Periodic table has not closed and you can continue to learn more elements\n\n");

printf("Enter the Atomic Number of the element to be searched : ");

scanf("%d", &a);

if(a==1)

{

printf("Name : Hydrogen\n");

printf("Symbol : H\n");

printf("Atomic Number : 1\n");

printf("Atomic Mass : 1.00784u\n");

printf("Electronic Configuration : 1s^1\n");

printf("Discovered : Henry Cavendish\n");

printf("Charge : +1\n");

}

}

}

else if(Exit==7)

{

printf("Periodic table has not closed and you can continue to learn more elements\n\n");

printf("Enter the Atomic Number of the element to be searched : ");

scanf("%d", &a);

if(a==1)

{

printf("Name : Hydrogen\n");

printf("Symbol : H\n");

printf("Atomic Number : 1\n");

printf("Atomic Mass : 1.00784u\n");

printf("Electronic Configuration : 1s^1\n");

printf("Discovered : Henry Cavendish\n");

printf("Charge : +1\n");

}

}

}

}