**Name: Om Chandrakant Mahajan Roll NO.88**

**Practical Name: write a program to implement linear search Batch:B3**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

#include<iostream>

using namespace std;

class Ls{

public:

void linearsearch(int arr[],int value,int i,int n)

{

int found=0;

for(i=0;i<n;i++)

{

if(value==arr[i])

{

found=1;

break;

}

}

if(found==1){

cout<<"element is present in array:"<<i+1;

}

else{

cout<<"element is not present in array";

}

}

};

int main(){

int num;

int i,n1,found=0;

cout<<"enter the elements:";

cin>>num;

int array[num];

cout<<"enter the elements one by one:\n";

for(i=0;i<num;i++)

{

cin>>array[i];

}

cout<<"enter the element to be searched";

cin>>n1;

Ls l;

l.linearsearch(array,n1,i,num);

return 0;

}

**OUTPUT:**

**enter the elements:5**

**enter the elements one by one:**

**76**

**54**

**88**

**97**

**43**

**enter the element to be searched88**

**element is present in array:3**

**--------------------------------**

**Process exited after 16.23 seconds with return value 0**

**Press any key to continue . . .**