#include<iostream>

using namespace std;

//lienaer searching or Sequential Searches

int linearsearch(int ra[5],int searchingvalue) //called function

{

for(int i=0;i<5;i++)

{

if(searchingvalue== ra[i]) //array must not be sorted

{

return i; //return index

}

}

return -1;

}

//////////////////////////////////////

void main()

{

int uservalue; //for searching

int a[5]; //0,1,2,3,4

cout<<"\n\aEnter the elements in arrary=";

for(int i=0;i<5;i++)

{

cin>>a[i];

}

cout<<"\nEnter the searching value=";

cin>>uservalue;

int result=linearsearch(a,uservalue); //passing array calling

if(result>=0)

{

cout<<"\n\nThe no="<<a[result]<<"was found at the element with index ="<<result<<endl;

}

else

{

cout<<"Number was not found"<<endl;

}

getchar();

getchar();

}