#include<iostream>

using namespace std;

void main()

{

/\*program name >>LINEAR /SERIAL/SEQUENTIAL SEARCH\*/

system("color b0"); //gragph colour

int a[5],n,location=-1;

cout<<"Enter the number in Array"<<endl;

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

cin>>a[i];

cout<<"Enter the value to find location of array"<<endl;

cin>>n;

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

{

if(a[i]==n)

{location=i;} //index 2 find in dryrun //enter the vaules are>> a[i]

//20>>a[0]

//25>>a[1]

//50>>a[2]

//40>>a[3]

//30>>a[4]

//now find the location of 50

//a[i]==n

} //a[0]=20==50 x

if(location==-1) //a[1]=25==50 x

{cout<<"location not found";} //a[2]=50==50 ok index is a[2]

//a[3]=40==50 x

else //a[4]=30==50 x

{cout<<"index found at "<<location<<endl;}

getchar();

getchar();

}