**Assignment No : 4.2**

**Title : Implementation of Program based on searching techniques using array (Linear Search).**

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#include<iostream.h>

#include<conio.h>

void LINEAR\_SEARCH();

void LINEAR\_SEARCH(int \*arr,int ele,int n)

{

int count=0;

for(int i=1;i<=n;i++)

{

if(arr[i]==ele)

{

count=1;

cout<<ele<<" found at "<<i+1<<" position"<<endl;

}

}

if(count==0)

cout<<"Element is not present"<<endl;

}

void main()

{

clrscr();

int ele,n;

int arr[10];

cout<<"Enter size of an array"<<endl;

cin>>n;

cout<<"Enter elements in an array"<<endl;

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

{

cin>>arr[i];

}

cout<<"Enter element to search"<<endl;

cin>>ele;

LINEAR\_SEARCH(arr,ele,n);

getch();

}