**Linear search**

#include<stdio.h>

int main()

{

int list[20],i,n,elmt;

printf("Enter the size of array:");

scanf("%d",&n);

printf("Enter the elements of array:\n");

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

{

scanf("%d", &list[i]);

}

printf("Enter the Element to be searched:");

scanf("%d",&elmt);

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

{

if(list[i]==elmt)

{

printf("the value %d is found at %d th place of array\n",elmt,i+1);

break;

}

}

if(i==n)

{

printf("Entered element is not in array");

}

return 0;

}

Output:

