Linear search:

#include<stdio.h>

int main()

{

int a[10],search,c,n;

printf("enter the size of a array");

scanf("%d",&n);

printf("enter %d integers\n",n);

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

scanf("%d",&a[c]);

printf("enter a number to search");

scanf("%d",&search);

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

{

if (a[c]==search)

{

printf("%d is present at location %d\n",search,c+1);

break;

}

}

if (c==n)

{

printf("%d is not present in array\n",search);

}

return 0;

}

Output:

