LINEAR SEARCH

#include <stdio.h>

int main()

{

int array[100], search, c, number;

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

scanf("%d",&number);

printf("Enter %d numbers\n", number);

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

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

printf("Enter the number to search\n");

scanf("%d",&search);

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

{

if ( array[c] == search )

{

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

break;

}

}

if ( c == number )

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

return 0;

}

OUTPUT

Enter the number of elements in array

3

Enter 3 numbers

44 55 66

Enter the number to search

33

33 is not present in array.

Enter the number of elements in array

4

Enter 4 numbers

22 33 66 45

Enter the number to search

66

66 is present at location 3.