**Experiment 8**

**Write a C program to search a number using Linear Search method**

**Program**

#include <stdio.h>

int main()

{

int array[100], search,i, n;

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

scanf("%d", &n);

printf("Enter %d integer(s)\n", n);

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

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

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

scanf("%d", &search);

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

{

if (array[i] == search)

{

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

break;

}

}

if (i == n)

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

return 0;

}

**Output**

