8.PROGRAM FOR LINEAR SEARCH:

#include <stdio.h>

int main()

{

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

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

scanf("%d", &n);

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

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

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

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

scanf("%d", &search);

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

{

if (array[c] == search)

{

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

break;

}

}

if (c == n)

printf("%d isn't present in the array.\n", search);

return 0;

}

OUTPUT:

