/*C Program to implement Sequential Search

Input : 1. Size of the array

2. Numbers in the array

3. Number you want to search in the array

Output : 1. Index of the number in the array – if search is successful

2. If search is not successful -1

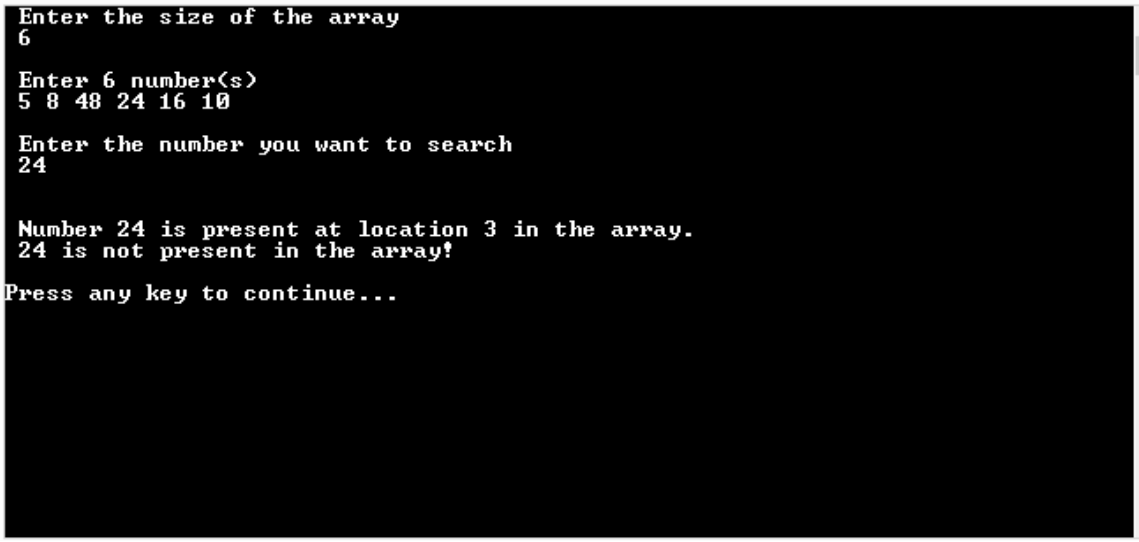
***/**

```
#include <stdio.h>

int main()
{
  int array[50], search, n, i;

  printf(" Enter the size of the array\n");
  scanf("%d",&n);
  printf("\n Enter %d number(s)\n", n);
  for (i = 0; i < n; i++)
    scanf("%d", &array[i]);

  printf("\n Enter the number you want to search\n");
  scanf("%d", &search);
  printf("\n\n");
  for (i = 0; i < n; i++)
  {
    if (array[i] == search)     /* If search key is found */
    {
      printf(" Number %d is present at location %d in the array.\n", search, i);
      /*Returns the index of search key*/
      break;
```

```
    }
  }
  if (i == n)
    printf(" Program returned -1\n\n");
    printf(" %d is not present in the array!\n\n", search);

  return 0;
}
```

Sample Input and Output:

1.



2.