```c
//Searching in a Array

#include<stdio.h>

struct Array
{
 int A[10];
 int size;
 int length;
};

 void Display(struct Array arr)
 {
 int i;
 printf("\nElements are\n");
 for(i=0;i<arr.length;i++)
 printf("%d ",arr.A[i]);
 }

void swap(int *x,int *y)
 {
 int temp=*x;
 *x=*y;
 *y=temp;
 }

int LinearSearch(struct Array *arr,int key)
{
 int i;
 for(i=0;i<arr->length;i++)
 {
 if(key==arr->A[i])
 {
 swap(&arr->A[i],&arr->A[0]);
 return i;
 }
 }
 return -1;
}
```

```
40:
41: int main()
42: {
43:  struct Array arr1={{2,23,14,5,6,9,8,12},10,8};
44:  printf("%d",LinearSearch(&arr1,14));
45:  Display(arr1);
46:  return 0;
47: }
```