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#include <stdio.h>

int linearSearch(int[], int , int) ;

int linearSearch(int a[], int n, int key)
{
    int i;
    int found=-1;
    for (i = 0; i < n; i++)
    {
        if (a[i] == key)
        {
            printf("\n%d is found at index %d",key,i);
            found=0;
        }
    }
    return found;
}

int main()
{
    int a[10],n,i,key,result;
    printf("\nEnter size of array:");
    scanf("%d",&n);
    printf("\nEnter elements into array:");
    for(i=0;i<n;i++)
    scanf("%d",&a[i]);
    printf("Enter the element to search: ");
    scanf("%d", &key);

    result = linearSearch(a, n, key);

    if (result == -1)
    {
        printf("\nSearch Unsuccessful");
    }
    else
    {
        printf("\nSearch Unsuccessful");
    }

    return 0;
}

```