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//Created By Ritwik Chandra Pandey on 6/11/21
//Selection Sort: : Smallest Element Method
#include<stdio.h>
void main() {
       int a[20], i, n, j, small, index;
       printf("Enter value of n : ");
       scanf("%d", &n);
       for (i=0;i<n;i++) {
               printf("Enter element for a[%d]: ", i);
               scanf("%d", &a[i]);
       printf("Before sorting the elements in the array are\n");
       for (i=0;i<n;i++) {
               printf("Value of a[%d] = %d\n", i, a[i]);
       for (i=0;i<n-1;i++) {
               index = i;
               for (j=i+1;j<n;j++) {
                       if (a[j]<a[index]) {
                               index = j;
               small = a[index];
               a[index] = a[i];
               a[i] = small;
       printf("After sorting the elements in the array are\n");
       for (i=0;i<n;i++) {
               printf("Value of a[%d] = %d\n", i, a[i]);
```