|  |
| --- |
| #include <stdio.h> |
|  |  |
|  | int insertionSort(int array[], int size) { |
|  | int i, j, temp; |
|  | for (i=1; i<size; i++) { |
|  | temp = array[i]; |
|  | for (j=i-1; j>=0 && array[j] > temp; j--) { |
|  | array[j+1] = array[j]; |
|  | } |
|  | array[j+1] = temp; |
|  | } |
|  | } |
|  | void main() { |
|  | int array[100], i, j, size; |
|  |  |
|  | printf("Enter size of the array : "); |
|  | scanf("%d", &size); |
|  |  |
|  | printf("Enter array\n"); |
|  | for (i=0; i<size; i++) { |
|  | scanf("%d", &array[i]); |
|  | } |
|  |  |
|  | insertionSort(array, size); |
|  |  |
|  | printf("Sorted array\n"); |
|  | for (i=0; i<size; i++) { |
|  | printf("%d\n", array[i]); |
|  | } |
|  | } |