

//Created By Ritwik Chandra Pandey
//On 5th Nov' 2021
//Insertion Sort

```
#include<stdio.h>
void main() {
    int a[20], i, n, j, temp;
    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++) { // Complete the code in for
        printf("Value of a[%d] = %d\n",i,a[i]);
    }
    for (i=1;i<n;i++) { // Complete the code in for
        temp = a[i]; // Complete the statement
        for (j=i;j>0;j--) { // Complete the code in for
            if (a[j-1]>temp) {
                a[j] = a[j-1]; // Complete the condition part
                a[j-1] = temp;
            }
        }
    }
    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] );
    }
}
```