**16. Write a C program to arrange a series of numbers using Insertion Sort**

#include <stdio.h>

int main() {

int n;

printf("Enter number of elements: ");

scanf("%d", &n);

int arr[n];

printf("Enter %d numbers: ", n);

for(int i=0; i<n; i++) {

scanf("%d", &arr[i]);

}

printf("Original: ");

for(int i=0; i<n; i++) printf("%d ", arr[i]);

// Insertion Sort

for(int i=1; i<n; i++) {

int key = arr[i];

int j = i-1;

while(j >= 0 && arr[j] > key) {

arr[j+1] = arr[j];

j--;

}

arr[j+1] = key;

}

printf("\nSorted: ");

for(int i=0; i<n; i++) printf("%d ", arr[i]);

return 0;

}