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#include <stdio.h>

void insertionSort(int arr[], int n) {
    int i, key, j;
    for (i = 1; i < n; i++) {
        key = arr[i];
        j = i - 1;
        while (j >= 0 && arr[j] > key) {
            arr[j + 1] = arr[j];
            j = j - 1;
        }
        arr[j + 1] = key;
        printf("After %d iteration(s): ", i);
        for (int k = 0; k < n; k++) {
            printf("%d ", arr[k]);
        }
        printf("\n");
    }
}

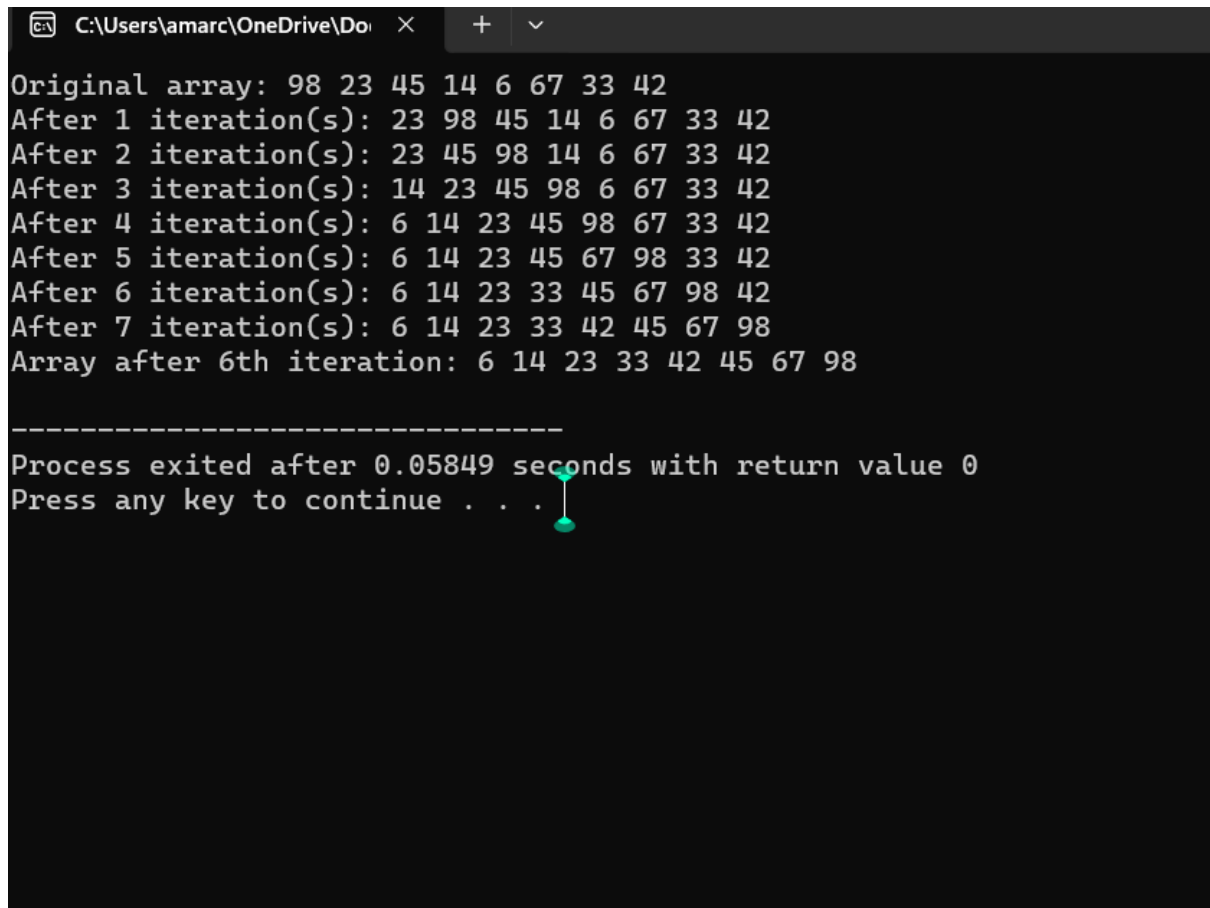
int main() {
    int arr[] = {98,23,45,14,6,67,33,42};
    int n = sizeof(arr) / sizeof(arr[0]);
    printf("Original array: ");
    for (int i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    }
    printf("\n");
    insertionSort(arr, n);
    printf("Array after 6th iteration: ");
    for (int i = 0; i < n; i++) {
        printf("%d ", arr[i]);
    }
}

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printf("\n");
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return 0;
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}
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C:\Users\amarc\OneDrive\Do... × + v
Original array: 98 23 45 14 6 67 33 42
After 1 iteration(s): 23 98 45 14 6 67 33 42
After 2 iteration(s): 23 45 98 14 6 67 33 42
After 3 iteration(s): 14 23 45 98 6 67 33 42
After 4 iteration(s): 6 14 23 45 98 67 33 42
After 5 iteration(s): 6 14 23 45 67 98 33 42
After 6 iteration(s): 6 14 23 33 45 67 98 42
After 7 iteration(s): 6 14 23 33 42 45 67 98
Array after 6th iteration: 6 14 23 33 42 45 67 98

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Process exited after 0.05849 seconds with return value 0
Press any key to continue . . .
```