1. You are given with an array arr which contains integer elements. Sort these elements in ascending order using insertion sort and print the 6th Iteration result.

```
Example:
Input:98,23,45,14,6,67,33,42
Output:6,14,23,33,45,67,98,42
ans:
#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 \ge 0 \&\& arr[j] > key) {
        arr[j + 1] = arr[j];
        j = j - 1;
     }
     arr[j + 1] = key;
  }
}
int main() {
  int arr[] = {98, 23, 45, 14, 6, 67, 33, 42};
  int n = sizeof(arr) / sizeof(arr[0]);
  insertionSort(arr, n);
  printf("6th Iteration Result: ");
  for (int i = 0; i < n; i++) {
     printf("%d ", arr[i]);
  }
  return 0;
}
```