```
import time

# Insertion sort function
def insertion_sort(arr):
    for i in range(1, len(arr)):
        key = arr[i]
        j = i - 1
        while j >= 0 and arr[j] > key:
            arr[j + 1] = arr[j]
            j = j - 1
        arr[j + 1] = key
    return arr

# Arrays given
arr1 = [1, 2, 3, 4, 5]
arr2 = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
arr3 = []
for i in range(1, 51):
    arr3.append(i)

arr4 = []
for i in range(1, 101):
    arr4.append(i)

# Function to measure and print average time
def sort_and_measure(array, array_name):
```

```
    times = []
    for i in range(5):  # Run 5 times
        arr_copy = array[:]  # Make a copy
        start = time.perf_counter()
        insertion_sort(arr_copy)
        end = time.perf_counter()
        times.append(end - start)

    average = sum(times) / len(times)
    print("Average time for", array_name, ":", round(average, 10), "seconds")
    return average

# Measure and print times
avg1 = sort_and_measure(arr1, "Arr1 (5 elements)")
avg2 = sort_and_measure(arr2, "Arr2 (10 elements)")
avg3 = sort_and_measure(arr3, "Arr3 (50 elements)")
avg4 = sort_and_measure(arr4, "Arr4 (100 elements)")
```