Code:

```
def quick sort in place(arr, low, high):
    if low < high:</pre>
        pi = partition(arr, low, high)
        quick sort in place(arr, low, pi - 1)
        quick sort in place(arr, pi + 1, high)
def partition(arr, low, high):
    pivot = arr[high]
    i = low - 1
    for j in range(low, high):
        if arr[j] <= pivot:</pre>
            arr[i], arr[j] = arr[j], arr[i]
    arr[i + 1], arr[high] = arr[high], arr[i + 1]
    return i + 1
arr = [10, 7, 8, 9, 1, 5]
quick sort in place(arr, 0, len(arr) - 1)
print(f"Sorted array: {arr}")
```

Output:

```
Sorted array: [1, 5, 7, 8, 9, 10]
```

Time Complexity:

• T(n)= O(nlogn)