**[22,27,16,2,18,6]** -> Insertion Sort

1-

1. **[22,27,16,2,18,6]**
2. **[2,27,16,22,18,6]**
3. **[2,6,16,22,18,27]**
4. **[2,6,16,22,18,27]**
5. **[2,6,16,18,22,27]**
6. **[2,6,16,18,22,27]**

**2-**

**O(n^2)**

**3-**

**Worst case: O(n^2)**

**Average case: O(n^2)**

**Best case: O(n)**

**4-**

**Average case**

**5- [7,3,5,8,2,9,4,15,6**]

1. [7,3,5,8,2,9,4,15,6]
2. [2,3,5,8,7,9,4,15,6]
3. [2,3,4,8,7,9,5,15,6]
4. [2,3,4,5,7,9,8,15,6]