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

**22,16,27,2,18,6**

**16,22,27,2,18,6**

**16,22,2,27,18,6**

**16,2,22,27,18,6**

**2,16,22,27,18,6**

**2,16,22,18,27,6**

**2,16,18,22,27,6**

**2,16,18,22,6,27**

**2,16,18,6,22,27**

**2,16,6,18,22,27**

**2,6,16,18,22,27**

it can perform at O(6) in the best case, it performs at O(36) in the average and worst case.

Time Complexity: Average case

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

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

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