1-

2. 1. [22|, 27, 16, 2, 18, 6] - n

3. [22, 27|, 16, 2, 18, 6] - n-1

4. [16, 22, 27|, 2, 18, 6] - n-2

5. [2, 16, 22, 27|, 18, 6] - n-3

6. [2, 16, 18, 22, 27|, 6] - 1

7. [2, 6, 16, 18, 22, 27]

2-

Best case : O(n)

Average case : O(n^2)

Worst case : O(n^2)

3-

Worst case: [27, 22, 18, 16, 6, 2]

Best case: [2, 6, 16, 18, 22, 27]

4- Average Case

5-

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

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

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

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