Question 1:

1. Insertion sort:

Comparison: 28, 18;

Contents of array after 1st iteration: 18, 28, 26, 30, 25;

Comparison: 26, 28;

Comparison: 26, 18;

Contents of array after 2nd iteration: 18, 26, 28, 30, 25;

Comparison: 30, 28;

Contents of array after 3rd iteration: 18, 26. 28, 30, 25;

Comparison: 25, 30;

Comparison: 25, 28;

Comparison: 25, 26;

Comparison: 25, 18;

Contents of array after 4th iteration: 18, 25, 26, 28, 30;

1. Selection sort

Comparison: 28, 18;

Comparison: 18, 26;

Comparison: 18, 30;

Comparison: 18, 25;

Swapped 28 and 30//CC no

Contents of array after 1st iteration: 18, 30, 26, 28, 25;//CC no

Comparison: 30, 26;

Comparison: 30, 28;//CC no

Comparison: 30, 25;

Contents of array after 2nd iteration: 18, 25, 26, 28, 30;

Comparison: 26, 28;

Comparison: 26, 30;

Contents of array after 3rd iteration: 18, 25, 26, 28, 30;

Comparison: 28, 30;

Contents of array after 4th iteration: 18, 25, 26, 28, 30;

Question 2:

IFirst iSecond j a comparision

0 0 0

0 1 1 2 7, 2

1 1 2 2, 7 7, 8

1 2 3 2, 7, 8 10, 8

2 2 4 2, 7, 8, 10 //CC no 10, 9

2 3 5 2, 7, 8, 10, 9 11, 9//CC no

3 4 6 2, 7, 8, 10, 9, 11 11, 12