

## Lab 9: Sort Answer

L = [12, -2, 34, -98, -4, 0, -23, 12, 32, 13]

### Insertion Sort

step: 1 ) [-2, 12, 34, -98, -4, 0, -23, 12, 32, 13]

step: 2 ) [-2, 12, 34, -98, -4, 0, -23, 12, 32, 13] no change

step: 3 ) [-98, -2, 12, 34, -4, 0, -23, 12, 32, 13]

step: 4 ) [-98, -4, -2, 12, 34, 0, -23, 12, 32, 13]

step: 5 ) [-98, -4, -2, 0, 12, 34, -23, 12, 32, 13]

step: 6 ) [-98, -23, -4, -2, 0, 12, 34, 12, 32, 13]

step: 7 ) [-98, -23, -4, -2, 0, 12, 12, 34, 32, 13]

step: 8 ) [-98, -23, -4, -2, 0, 12, 12, 32, 34, 13]

step: 9 ) [-98, -23, -4, -2, 0, 12, 12, 13, 32, 34]

L = [12, -2, 34, -98, -4, 0, -23, 12, 32, 13]

### Selection Sort

step: 1 ) [-98, -2, 34, 12, -4, 0, -23, 12, 32, 13]

step: 2 ) [-98, -23, 34, 12, -4, 0, -2, 12, 32, 13]

step: 3 ) [-98, -23, -4, 12, 34, 0, -2, 12, 32, 13]

step: 4 ) [-98, -23, -4, -2, 34, 0, 12, 12, 32, 13]

step: 5 ) [-98, -23, -4, -2, 0, 34, 12, 12, 32, 13]

step: 6 ) [-98, -23, -4, -2, 0, 12, 34, 12, 32, 13]

step: 7 ) [-98, -23, -4, -2, 0, 12, 12, 34, 32, 13]

step: 8 ) [-98, -23, -4, -2, 0, 12, 12, 13, 32, 34]

step: 9 ) [-98, -23, -4, -2, 0, 12, 12, 13, 32, 34] no changes