

# CISC 3220 Homework Chapter 2

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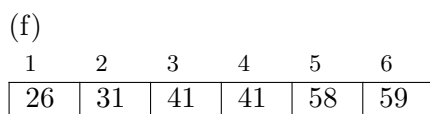
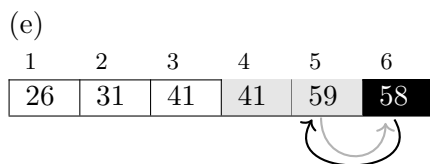
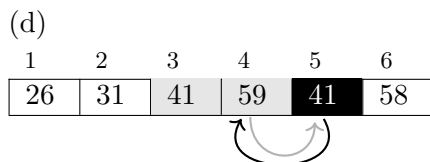
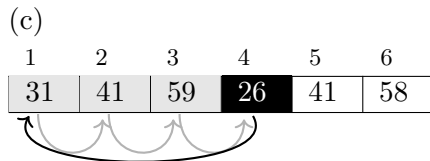
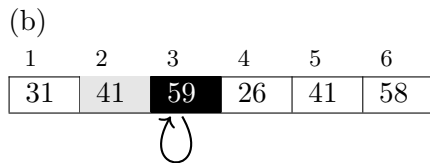
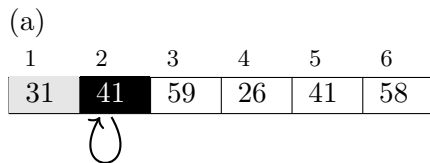
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## Exercises 2.1

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### Question 2.1-1

Illustrate the operation of INSERTION-SORT on the array  $A = \langle 31; 41; 59; 26; 41; 58 \rangle$ .



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### Question 2.1-2

Rewrite the INSERTION-SORT procedure to sort into nonincreasing order.

```
for j in range(1, len(array)):
    key = array[j]
    i = j - 1
    while (i >= 0) and (array[i] < key):
        array[i + 1] = array[i]
        array[i] = key
        i = i - 1
```