Problems based on sortings

MCQs

PW SKILLS

Q1. Which sorting technique is used here?
A player is sorting a deck of cards numbered from 1 to 52. She first picks one card then picks the next card and puts it after the first card if it is bigger or before the first card if it is smaller, then she picks another card and puts it into its proper position.

a) Bubble sort
b) Insertion sort
c) Selection sort
d) None of these

Q2. To sort library books on a shelf in a proper order, which algorithm would be ideal?

a) Bubble sort
b) Insertion sort
c) Selection sort
d) None of these

Q3. Which of these algorithms has the worst time complexity while sorting a pre-sorted array?

a) Bubble sort
b) Insertion sort
c) Selection sort
d) All three algorithms have the same complexity

Q4. Which of the following is not a stable sorting algorithm?

a) Insertion sort
b) Selection sort
c) Bubble sort
d) None of these

Q5. Which of the following algorithms pays the least attention to the ordering of the elements in the input list?

a) Insertion sort
b) Selection sort
c) Bubble sort
d) None of these

ANSWERS:

1. b) Insertion sort
2. b) Insertion sort
3. c) Selection sort
4. b) Selection sort
5. b) Selection sort