Prog Practical test

ST10454685

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## Question 1

Q1.1 A

Q1.2 D

Q1.3 C

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Q1.8 B

Q1.9 B

Q1.10 Value: ***8***

Q1.11 Value: ***1.0,2.3,3.5,6.8,9.1***

Q1.12

1. 0.5
2. 2.0
3. 4.5
4. 8.0
5. 12.5

Q1.13

Value: 1

Value: 4

Value: 7

Value: 10

Q1.14

A) True

B) True

C) False

# Question 3

Q3.1 Bubble sort is a simple sorting algorithm that swaps values if they are in the wrong order. The process is repeated until the list is sorted.

Q3.2 When most of the values are already sorted and only needs to sort (1 or 2) integers.

Q3.3 Best case and Worse case.

Q3.4 It is a sequence of sorted code in ascending order.

Q3.5 When most of the value’s are already sorted and not a lot of instructions are required.

Q3.6 Five values

Q3.7 Twenty Values

# Question 4

Q4.1 Insertion sort is when you are sorting algorithm in the correct sequence.

Q4.2 Insertion sort is when a value gets sorted in the right order, by swapping values from right to left if it is more than the value on the right.

Q4.3 Its would be to the nearest value or the lowest value.

Q4.4 When you know how much value there are and how many needs to be sorted.

Q4.5 It is easy to use, one of the disadvantages is that’s it requires you to know how many values you would be working on.