Question 1

1) a

2) d

3) b

4) c

5) b

6) c

7) a

8) b

9) d

10) (" Value : " + strArr [5]) ; output will be the 6th value in the array

11) (" Value : " + dblArr [ i ]) ; output will be

12) System . out . println ( intArr [ i ] + ": " + dblArr [ i ]) ; output 1 and .5

13) System . out . println (" Value : " + intArr [ i ]) ; output 1

14)

a) correct

b) correct

c) correct

Question 3

1. Bubble sort is an algorithm that checks starting from the first value if the value next to it is bigger if so will swop positions and continue to do so until all values are in ascending order. Bubble sort is a sorting algorithm that starts from the first element of an array and compares it with the second element. If the first element is greater than the second, we swap them. It continues this process until the end of the array, with the largest elements “bubbling” to the top

B)

C)

D)sorting algorithm

e)

f)

g)

Question 4

1. Insertion sort is a sorting algorithm that starts from the first element of an array and compares it with the second. If the first element is greater than the second, we swop them. It continues this process until the end of the array, with the largest elements “inserted” to the top.
2. It works by checking three elements at a time and comparing them and will swop the smallest number to the front
4. When you are working with large amounts of data
5. Advantages would be that it can sort large amounts of data. Disadvantages would be that it checks