**Step 1 – Knowledge Question (40-70 words) In your own words, describe what sorting is in general.**

Sorting is arranging data into an increasing or decreasing order. It also means categorizing items with similar properties into group. It can be alphabetical order or numerical order depends on data type you want to sort. By sorting data you can analyse them more effectively.

**Step 2 – Knowledge Question (60-100 words) Research sorting algorithms. Describe advantages and disadvantages for at least three different sorting algorithms. Please provide references for external resources.**

Sorting algorithms are a set of instructions that take an array or list as an input and arrange the items into a particular order. It can reduce the complexity of a problem.

Bubble Sort :

* Advantages :

1. It is popular and easy to implement.

References: http://dbmspoly.blogspot.com/p/advantage-disadvantages-of-sort.html#:~:text=The%20main%20advantage%20of%20the%20selection%20sort%20is%20that%20it,a%20huge%20list%20of%20items.

**Step 3 – Knowledge Question (20-50 words) In your own words, describe why you generally need comparison operators to successfully sort a list of objects. In addition, describe how you could sort a list of objects without adding comparison operators**