



<p>Which type of memory enables the computer to continue to function (albeit slower) if too many programs are open and in use at the same time.</p>	<p>How many characters are stored in the extended ASCII set?</p>	<p>Which device is required if you wish to connect a LAN to the internet?</p>
<p>What is meant by the computational thinking method of ALGORITHMIC THINKING?</p>	<p>Consider an array of elements "array = [5,4,3,2,1]" , what are the steps of insertions done while doing an insertion sort on the array?</p>	<p>What is meant by the term 'maintainable code'?</p>



<p>Which type of memory enables the computer to continue to function (albeit slower) if too many programs are open and in use at the same time.</p> <p style="text-align: center;">Virtual Memory</p>	<p>How many characters are stored in the extended ASCII set?</p> <p style="text-align: center;">The extended ASCII set makes use of the full byte (all 8 bits) and therefore has 256 different numbers (starting at zero) with which to represent 256 different characters.</p>	<p>Which device is required if you wish to connect a LAN to the internet?</p> <p style="text-align: center;">A Router</p>
<p>What is meant by the computational thinking method of ALGORITHMIC THINKING?</p> <p style="text-align: center;">Focusing on the logic required to produce a solution to the problem</p>	<p>Consider an array of elements "array = [5,4,3,2,1]" , what are the steps of insertions done while doing an insertion sort on the array?</p> <p style="text-align: center;">Start: [5,4,3,2,1] 1st item in focus: [5,4,3,2,1] (stays in place) 2nd item in focus: [5,4,3,2,1] (compared and swapped with 5) 3rd item in focus: [4,5,3,2,1] (compared and swapped with 5 and then again with 4) 4th item in focus: [3,4,5,2,1] (compared and swapped with 5 and then again with 4 and then with 3) 5th item in focus: [2,3,4,5,1] (compared and swapped with 5 and then again with 4 and then with 3 and then with 2)</p>	<p>What is meant by the term 'maintainable code'?</p> <p style="text-align: center;">Code that has been written so that other programmers can easily make sense of it (e.g. making use of indentation, comments and formatting)</p>