



<p>What is the purpose of the Fetch-Decode-Execute cycle</p>	<p>What is a hub</p>	<p>What does the Merge Sort Algorithm do</p>
<p>What is the role of device drivers in an operating system</p>	<p>What is the difference in memory allocation for arrays and lists</p>	<p>What are the methods used to write algorithms</p>

<p><i>What is the purpose of the Fetch-Decode-Execute cycle</i></p> <p>Answer: To process data and instructions.</p>	<p><i>What is a hub</i></p> <p>A device that connects nodes together and makes all connected nodes act as a single segment.</p>	<p><i>What does the Merge Sort Algorithm do</i></p> <p>It splits the dataset up into its individual items and continually pairs items from the dataset in order until the entire dataset has been ordered.</p>
<p><i>What is the role of device drivers in an operating system</i></p> <p>Device drivers are files that enable the operating system to communicate with computer components.</p>	<p><i>What is the difference in memory allocation for arrays and lists</i></p> <p>Arrays use a static area of memory and require a fixed amount of memory to be allocated before data is added to it, while lists use memory dynamically and can grow or shrink as needed.</p>	<p><i>What are the methods used to write algorithms</i></p> <p>Flowcharts and pseudocode.</p>