



Describe what is meant by a dual core processor.	Convert the binary number 10010110 into hexadecimal.	What is an opcode and what is an operand?
What is the difference between a variable and a constant?	What is the difference between the Internet and the World Wide Web? .	Describe a 'ring network' topology.



<p>Describe what is meant by a dual core processor.</p> <p><b>A CPU which has two processing units, each capable of independently processing instructions.</b></p>	<p>Convert the binary number 10010110 into hexadecimal.</p> <p><b>96</b></p>	<p>What is an opcode and what is an operand?</p> <p><b><u>Opcode</u>: This is the instruction which is to be executed by the CPU</b></p> <p><b><u>Operand</u>: This is the data (or memory location) that will be manipulated by the instruction.</b></p>
<p>What is the difference between a variable and a constant?</p> <p><b>A variable's contents can change whilst the program is running.</b></p> <p><b>A constant's contents cannot change whilst the program is running.</b></p>	<p>What is the difference between the Internet and the World Wide Web?</p> <p><b>The Internet is the network of networks around the world.</b></p> <p><b>The World Wide Web sits on top of the internet and consists of billions of web pages.</b></p>	<p>Describe a 'ring network' topology.</p> <p><b>All nodes are connected in series and data travels in one direction around the network, reducing the chance of data collisions.</b></p>