



What is the hexadecimal number AA in denary?	Give an advantage and a disadvantage of producing a blacklist, when planning input validations.	What is the result of a 2 places LEFT binary shift?
What is meant by the acronym 'ISP'?	Give 2 reasons why a company may choose to avoid using a cloud computing company to store their company data?	Explain what penetration testing is.



<p>What is the hexadecimal number AA in denary?</p> $10 \times 16 = 160$ $10 \times 1 = 10$ $= \underline{170}$	<p>Give an advantage and a disadvantage of producing a blacklist, when planning input validations.</p> <p>Blacklists are quick to produce because you're only focused on what the system should reject. This also means that the system is not that restrictive in terms of the inputs it accepts.</p> <p>A disadvantage is that it is often impossible to consider every input that could threaten the system and so often result in a system that is not as secure.</p>	<p>What is the result of a 2 places LEFT binary shift?</p> <p>A binary shift 2 places to the left will cause the binary number to quadruple in size.</p>
<p>What is meant by the acronym 'ISP'?</p> <p>This means INTERNET SERVICE PROVIDER This is simply the company who provide you with your internet connection (e.g. BT).</p>	<p>Give 2 reasons why a company may choose to avoid using a cloud computing company to store their company data?</p> <ul style="list-style-type: none"> • Sensitive company data may be stored in another country which may not adhere to the same data laws as the country the company is in. • The company would be completely reliant on the network / internet. 	<p>Explain what penetration testing is.</p> <p>'Penetration Testing' is where a company will invite / employ experts to try to simulate a range of network attacks such as Denial of Service attacks (DoS), SQL injections and Brute Force Attacks.</p> <p>They will attempt to discover any weaknesses in the system and will summarise their findings to the company who will then make improvements to their system security.</p>