What happens during the 'Decode' stage of the F-D-E cycle?	How does a Firewall work?	State 3 different threats / methods of attack that computer systems face.
What is the difference between Analogue and Digital sound?	Why do programmers test their code?	In programming, what is an output?

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What happens during the 'Decode' stage of the F-D-E cycle? **The decode stage is where the CPU makes sense of the instructions and prepares for the next stage.**	How does a Firewall work? **When files are sent across the internet, they are broken down into small packets of data. The part of the computer which receives these packets is made up of ports and a firewall will monitor the data which flows through the ports and blocks any packets that do not meet its rules.**	State 3 different threats / methods of attack that computer systems face. Any 3 from: • **Malware** • **Phishing** • **People as a 'weak point'** • **Brute Force Attacks** • **Denial of Service Attacks** • **Data Interception / Theft** • **SQL Injections** • **Poor Network Policies**
What is the difference between Analogue and Digital sound? **Analogue sound consists of sound waves that continuously vary overtime.** **Digital sound is made up of samples. Each sample is a measure of the height of the sound wave at that time and the measure is stored as a binary number.**	Why do programmers test their code? **-To ensure it produces the expected results** **-To ensure that it will not 'crash' under extreme conditions** **-To ensure that the algorithms perform the tasks that they are designed to do**	In programming, what is an output? **An output is something that a program produces.** **It could be displaying words on the screen or playing music through the speaker.**

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