A printf() statement in a C program
A breakpoint in an Arduino sketch
<ul> <li>A switch connected to an Arduino input pin</li> </ul>
What is meant by the expression "run control of the target"?
The ability to control the inputs to the target microcontroller
<ul> <li>The ability to stop and start the execution of the target microcontroller</li> </ul>
o The ability to control the outputs of the microcontroller
The ability of the target microcontroller to control its own inputs
What is NOT an advantage of using a remote debugger?
o Remote debugging allows good run control
Remote debugging provides excellent functional accuracy
<ul> <li>Remote debugging requires an extra communication channel for debugging</li> </ul>
Remote debugging allows control of registers and memory
What is NOT a feature of an embedded debug interface?
o Extra pins are needed to support debugging
o Breakpoints and watchpoints are supported
<ul> <li>Automatic test generation is commonly supported</li> </ul>
o On-the-fly memory access is supported
Which of the following is NOT an advantage of the UART protocol?
o Fewer wires are needed for communication as compared to a parallel protocol
o Higher data transfer rates are typically achieved compared to a parallel protocol
o Fewer pins are needed than using a parallel protocol
o A shared clock is not required
Which of the following statements is NOT true about the UART protocol?
O The baud rate is the maximum number of transitions per second
The data transmission rate is equal to the baud rate
o The bit duration is determined by the baud rate
<ul> <li>The bit duration is determined by the baud rate</li> <li>The bit duration is the inverse of the baud rate</li> </ul>
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The bit duration is the inverse of the baud rate  Synchronization is performed in the UART protocol based on the timing of the Start bit.
<ul> <li>The bit duration is the inverse of the baud rate</li> <li>Synchronization is performed in the UART protocol based on the timing of the Start bit.</li> <li>True</li> <li>False</li> </ul>
<ul> <li>The bit duration is the inverse of the baud rate</li> <li>Synchronization is performed in the UART protocol based on the timing of the Start bit.</li> <li>True</li> </ul>

1. Which of the following does NOT provide observability in a system?

o An LED connected to a wire in the circuit