

CSE143 Lecture Questions for Wednesday, 5/26/21

Question	Answer
<p>Will the final be structured similarly to the midterm? Is it something we take remotely and then correct independently?</p> <p>Thanks!</p>	<p>Yes, it will work the way the midterm did. I'll post resources for studying including sample exam questions along with a final that you take on your own. Then you upload it to canvas and schedule a 15-minute meeting with your TA to discuss.</p>
<p>Why is it called the "prefix property"?</p>	<p>Because it places a limit on whether one code can be the prefix of another.</p>
<p>Why do we need a pseudo-eof character?</p>	<p>This has to do with the fact that the <code>BitOutputStream</code> produces bits in multiples of 8 (whole bytes). So we can't produce something like just 803 bits of output, we'd have to produce 808 bits of output. That leads to stray bits at the end of the sequence that would make it impossible to reconstruct the original file. So we need some way to mark the end of the file.</p>