Review Questions for Reading #3

1. What is a *loop invariant* for a while loop?

2. Why is it important that you play close attention (and be careful) when reading the computing literature concerning "loop invariants"?

3.	What are loop invariants used for — and why is it important for them to be reasonably
	complete?
4.	Briefly describe a process that you can follow to establish that a given assertion is a loop invariant for a given while loop in an algorithm.

5.	What does it mean for an algorithm (for a given computational problem) to be <i>partially correct</i> ?
6.	How are <i>partial correctness</i> of an algorithm and <i>correctness</i> of an algorithm related?
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