HOMEWORK ASSIGNMENT: CHAPTER 10

**Question 10.1:**

(paraphrased->) does the first step of designing and implementing a set of test cases in order to design the implementation of a feature as a process in XP contradict the assertion that test cases are a formalization of specifications?

**Response:**

Depending on granularity of testing applied and the level of specific in the formal specification it may be or may not be so. A finely detailed spec may prescribe corner cases and flagged/fault cases or not & likewise, test designers may carefully identify these based off an otherwise vague specification. The answer essentially is situation-specific vs. one-size-fits-all.

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**Question: 10.3:**

Identify independently testable units in the following specification (see textbook for specification).

**Response:**

* Does the desk calculator accomplish 5 operations on two # types <T>
* Do operations on each <T> produce a usable <T> outcome, i/a/w the specification requirements
* Are there two <T> methods for each operation where both parameters of each is (integer,integer; and Float,Float or Double,Double)
* Does a textual interface exist as accepting 3 commands:
  + Mx=# , Mx=display & operand1 operation operand2
* Does a GUI exist w/ 10 digit keys, 5 operands, and special keys “=”,”C”, and M+,s,r,c