

Problem	1	2	Total
Points:	18	12	30
Score:			

This homework assignment has 2 problems, for a total of 30 points.

1. (18 points) Of the following statements, identify all that hold about XSLT
 - A. Because XSLT is all about altering document structure, it is not possible to have an XML Schema for XSLT
 - B. XSLT epitomizes the imperative style of programming
 - C. In XSLT, if a template is specified with parameters, values must be explicitly specified when that template is invoked
 - D. The deep copy of an element (expressed appropriately in XSLT) fails to terminate whenever there are cycles, and that can happen in the more complex XML documents
 - E. In XSLT, the default behavior for any text node that is encountered is to copy it to the output
 - F. Each XSLT template must specify the unique node on which it applies
 - G. When an XSLT template matches a node, that node is treated as the context node for determining any output and further actions of the given template
 - H. If XSLT didn't include the copy-of construct, we could achieve its effect through copy and the remaining constructs
 - I. It is possible to write XSLT stylesheets that fail to terminate on some inputs
2. (12 points) Of the following statements, identify all that hold about XML keys, integrity constraints, and other aspects of relating XML to databases:
 - A. If we map a relational table into an XML document, we are forced to take the risk of allowing duplicate tuples even if that was not our intent in the original table
 - B. The unique element limits us to one field subelement
 - C. The data-centric view is better than the document-centric view for sharing well-structured information
 - D. The document-centric view is better than the data-centric view for storing information for subsequent access to establish regulatory compliance
 - E. XML databases can naturally support key integrity constraints but not domain-specific constraints in general
 - F. XML cannot be used to express sell and buy bids because bids are based on money, not on describing data