LEBANESE AMERICAN UNIVERSITY
Electrical and Computer Engineering Dept

COE 593
COE Application

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Quiz I

Problem I (Multiple choice questions)

1. Which of the following classes implement the `CharSequence` interface?
   a. `StringBuilder`
   b. `String`
   c. **All of the above**
   d. None of the above

2. Which of the following can be used to create a `Document` object?
   a. `DocumentBuilderFactory`
   b. `DocumentBuilder`
   c. `SAXBuilder`
   d. **All of the above except for (a)**

3. Which of the following serves as a container for the element nodes in `JDOM`?
   a. `NodeList`
   b. `ArrayList`
   c. `Vector`
   d. **None of the above**

4. Which of the following classes does not support the `"getElementsByTagName"` method in the traditional DOM parser of Java?
   a. **Node (a)**
   b. `Element`
   c. `Attribute`
   d. All of the above except for (b)

5. Which of the following statements is true?
   a. Ranges of characters can be represented by placing a ~ between two characters.
   b. [^Z] is the same as [A~Y].
   c. **Both "A*" and "A+" will match "AAA", but only "A*" will match an empty string.**
   d. All of above.

Problem II (True or False)

1. JSON documents are very difficult to process. This is one of the reasons why XML was developed.
   Answer: True   **False**

2. The following represents an invalid XML tag:
   <MyXmL>I Know XML!</MyXML>
   Answer: **True**   False

3. A JSON object is delimited by opening and closing curly braces.
   Answer: **True**   False

4. To get the size of a `JSONArray`, the method named `getLength()` should be used.
   Answer: True   **False**

5. When creating an XML document, developers must use a set of predefined tags.
   Answer: True   **False**