

Quiz Submissions - Quiz 3 (Chapters 5 & 6 and Data Models)



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Attempt 1

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Submission View

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Question 1

What is clearly **not** a benefit of using XML schemas instead of DTD?

- ☐ XML Schemas are created using basic XML, while DTDs utilize a separate syntax.
- ☐ XML Schemas fully support the namespace recommendation.
- ☐ XML Schemas allow you to validate text element content based on built-in and user-defined data types.
- ☒ XML Schemas are going to replace DTDs in the future

Question 2

What is clearly **not** a benefit of using XML schemas instead of DTD?

- ☐ XML Schemas allow you to model concepts such as object inheritance and type substitution.
- ☐ XML Schemas support more data types than DTDs.
- ☐ XML Schemas allow you to more easily create complex and reusable content models.
- ☒ XML Schemas are easier to learn than DTDs.

Question 3

Which is true in an XSD?

- ☒ The root element can be either schema or xsd.
- ☐ The namespace prefix for the target namespace is required to be **target**.
- ☐ The URI "http://www.w3.org/2001/XMLSchema" needs to be declared as the default namespace.
- ☐ The keyword **targetNamespace** is required to specify the target namespace.

Question 4

Which XML Schema design style has a poor reusability support?

- ☐ Salami slice
- ☒ Russian doll
- ☐ Venetian blind
- ☐ All of above

Question 5

Which XML Schema design style does not specify which element must be the root element in an instance document?

- ☒ Salami slice
- ☐ Russian doll
- ☐ Venetian blind
- ☐ All of above

Question 6

The following XML element is a simpleType element: <simple type="simpleType"/>

- ☒ True
- ☐ False

Question 7

Attributes like elements are divided into simpleTypes and complexTypes.

- ☐ True
- ☒ False

Question 8

In XML Schema, the extension element is used to add elements or attributes to an existing type.

- ☒ True
- ☐ False

Question 9

In XML Schema, the restrict element is used to remove elements or attributes from an existing type.

- ☒ True
- ☐ False

Question 10

When declaring an element in XML Schema, there are two primary tasks. What are they?

- ☒ Define simpleType or complexType
- ☒ Element name
- ☐ Allowable content
- ☐ Define order

Question 11

RELAX NG schemas are based on _____.

- ☐ complexTypes
- ☒ patterns
- ☐ inheritance
- ☐ simpleTypes

Question 12

Which of the following statements about RELAX NG is **not** true?

- ☒ RELAX NG supports namespace poorly.
- ☐ RELAX NG can use data types from XML Schema.
- ☐ RELAX NG is simple to learn.
- ☐ RELAX NG has two formats, the XML format and the compact syntax.

Question 13

The following RELAX NG code in XML format is equivalent to _____ in the compact syntax.

```
<oneOrMore><element name="a"><text/></element></oneOrMore>
```

- ☐ element a { text }*
- ☐ element a { text }+

☒ element name { text }+

☐ element name { text }*

Question 14

The following RELAX NG code in XML format is equivalent to _____ in XML Schema.

`<oneOrMore><element name="a"><text/></element></oneOrMore>`

☐ `<element name="a" type="string" minOccurs="1" maxOccurs="unbounded"/>`

☒ `<element name="a" type="string" cardinality="+"/>`

☐ `<oneOrMore>
<element name="a" type="string"/>
</oneOrMore>`

☐ `<element name="a" type="string" minOccurs="1" maxOccurs="more"/>`

Question 15

RELAX NG uses _____ to support code reuse.

☐ namespaces

☐ entities

☒ the **define** and **ref** elements

☐ cardinality

Question 16

RELAX NG treats elements and attributes equally as far as possible.

☒ True

☐ False

Question 17

XML is intrinsically ____.

☒ hierarchical

☐ relational

☐ sequential

☐ networked

Question 18

DOM is a tool used mostly by ____.

☐ managers

☐ users

☒ programmers

☐ system administrators

Question 19

DOM will create a logical model for purposes of _____ the data.

☐ documenting

☒ sorting

☐ " " ..

☐ collecting

☐ parsing

Question 20

The DOM provides _____.

- ☐ a logical view on the in-memory structure that represents raw binary data
- ☐ a logical view of serialized data that represents raw binary data
- ☐ a logical view of serialized data that represents an XML document
- ☒ a logical view on the in-memory structure that represents an XML document

Question 21

An Attr node in DOM is associated with an Element node but is considered different from a child element node of the Element node.

- ☒ True
- ☐ False

Attempt Score:14 / 21

Overall Grade (highest attempt):14 / 21

Done