eXtensible Markup Language

10 questions

1.

What is "serialization" when we are talking about web services?

Making it so that dictionaries can maintain their keys in sorted order

Marking each network packet so it can be put back into order on the receiving system

The act of taking data stored in a program and formatting it so it can be sent across the network

Sorting all the data stored in a tuple

2.

Which of the following are **not**commonly used serialization formats?

Dictionaries

XML

HTTP

TCP

JSON

3.

In this XML, which are the "simple elements"?

<people>

<person>

<name>Chuck</name>

<phone>303 4456</phone>

</person>

<person>

<name>Noah</name>

<phone>622 7421</phone>

</person>

</people>

phone

people

Noah

name

person

4.

In the following XML, which are attributes?

<person>

<name>Chuck</name>

<phone type="intl">

+1 734 303 4456

</phone>

<email hide="yes" />

</person>

name

hide

email

type

person

5.

In the following XML, which node is the parent node of node e

<a>

<b>X</b>

<c>

<d>Y</d>

<e>Z</e>

</c>

</a>

b

e

a

c

6.

Looking at the following XML, what text value would we find at path "/a/c/e"

<a>

<b>X</b>

<c>

<d>Y</d>

<e>Z</e>

</c>

</a>

a

b

e

Y

Z

7.

What is the purpose of XML Schema?

To compute SHA1 checksums on data to make sure it is not modified in transit

A Python program to tranform XML files

To establish a contract as to what is valid XML

To transfer XML data reliably during network outages

8.

For this XML Schema:

<xs:complexType name=”person”>

<xs:sequence>

<xs:element name="lastname" type="xs:string"/>

<xs:element name="age" type="xs:integer"/>

<xs:element name="dateborn" type="xs:date"/>

</xs:sequence>

</xs:complexType>

And this XML,

<person>

<lastname>Severance</lastname>

<Age>17</Age>

<dateborn>2001-04-17</dateborn>

</person>

Which tag is incorrect?

age

lastname

Age

person

dateborn

9.

What is a good time zone to use when computers are exchanging data over APIs?

The local time zone of the sending computer

The local time zone of the sending computer without daylight savings time

Universal Time / GMT

The local time zone of the receiving computer

10.

Which of the following dates is in ISO8601 format?

2002-05-30T09:30:10Z

05/30/2002

2002-May-30

May 30, 2002