

# eXtensible Markup Language

TOTAL POINTS 10

1. What is the name of the Python 2.x library to parse XML data?

1 point

- ☒ xml.etree.ElementTree
- ☐ xml2
- ☐ xml.json
- ☐ xml-misc

2. What is the method to cause Python to parse XML that is stored in a string?

1 point

- ☒ fromstring()
- ☐ parse()
- ☐ readall()
- ☐ extract()
- ☐ xpath()

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

1 point

```
1 <people>
2   <person>
3     <name>Chuck</name>
4     <phone>303 4456</phone>
5   </person>
6   <person>
7     <name>Noah</name>
8     <phone>622 7421</phone>
9   </person>
10 </people>
```

- ☒ name
- ☐ people
- ☐ Noah

☒ phone

☐ person

4. In the following XML, which are attributes?

1 point

```
1 <person>
2   <name>Chuck</name>
3   <phone type="intl">
4     +1 734 303 4456
5   </phone>
6   <email hide="yes" />
7 </person>
```

☐ name

☐ email

☒ hide

☒ type

☐ person

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

1 point

```
1 <a>
2   <b>X</b>
3   <c>
4     <d>Y</d>
5     <e>Z</e>
6   </c>
7 </a>
```

☐ e

☐ a

☒ c

☐ b

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

1 point

```

1 <a>
2   <b>X</b>
3   <c>
4     <d>Y</d>
5     <e>Z</e>
6   </c>
7 </a>

```

- ☐ e
- ☐ b
- ☒ Z
- ☐ Y
- ☐ a

7. What is the purpose of XML Schema?

1 point

- ☐ A Python program to tranform XML files
- ☐ To compute SHA1 checksums on data to make sure it is not modified in transit
- ☐ To transfer XML data reliably during network outages
- ☒ To establish a contract as to what is valid XML

8. For this XML Schema:

1 point

```

1 <xs:complexType name="person">
2   <xs:sequence>
3     <xs:element name="lastname" type="xs:string"/>
4     <xs:element name="age" type="xs:integer"/>
5     <xs:element name="dateborn" type="xs:date"/>
6   </xs:sequence>
7 </xs:complexType>

```

And this XML,

```

1 <person>
2   <lastname>Severance</lastname>
3   <Age>17</Age>
4   <dateborn>2001-04-17</dateborn>
5 </person>
6

```

Which tag is incorrect?

- ☐ person
- ☐ age
- ☐ dateborn
- ☐ lastname
- ☒ Age

9. What does the "Z" mean in this representation of a time:

1 point

1	2002-05-30T09:30:10Z

- ☒ This time is in the UTC timezone
- ☐ The hours value is in the range 0-12
- ☐ The local timezone for this time is New Zealand
- ☐ This time is Daylight Savings Time

10. Which of the following dates is in ISO8601 format?

1 point

- ☒ 2002-05-30T09:30:10Z
- ☐ 2002-May-30
- ☐ May 30, 2002
- ☐ 05/30/2002

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