

INS: Tutorial 5

Question 1

In the following XML fragments...

```
1 <a xmlns="http://example.com">
2   <b>
3     <c xmlns="http://another.com">Hello</c>
4   </b>
5 </a>
6
7 <x:d xmlns:x="http://another.com">
8   <x:e>
9     <x:f xmlns:y="http://example.com">Hello</x:f>
10  </x:e>
11 </x:d>
```

... the elements `<a>` and `` are in the `example.com` namespace. Element `<c>` specifies the `another.com` namespace for itself, and elements `<d>`, `<e>` and `<f>` all use the `x` namespace (which is the `another.com` namespace). Element `<f>` declares the `example.com` namespace with the prefix `y`, but this prefix is not used.

Question 2

page1.xhtml

```
1 <html>
2   <head>
3     <title>Page One</title>
4   </head>
5   <body>
6     <a href="page2.xhtml">Check out page two!</a>
7   </body>
8 </html>
```

page2.xhtml

```
1 <html>
2   <head>
3     <title>Page Two</title>
4   </head>
5   <body>
6     <a href="page1.xhtml">Check out page one!</a>
7   </body>
8 </html>
```

Question 3

name=Mark&password=alligator3&age=0+to+25

Question 4

```
1 <xs:simpleType name="postCodeType">
2   <xs:restriction base="xs:string">
3     <xs:pattern value="[A-Z0-9]+ [A-Z0-9]+" />
4   </xs:restriction>
5 </xs:simpleType>
```

Question 5

```
1 <xs:complexType name="addressType">
2   <xs:sequence>
3     <xs:element
4       name="line" type="xs:string"
5       minOccurs="2" maxOccurs="unbounded" />
6     <xs:element
7       name="postcode" type="tns:postCodeType" />
8   </xs:sequence>
9 </xs:complexType>
```

Question 6

```
1 <xs:element name="employee">
2   <xs:complexType>
3     <xs:sequence>
4       <xs:element name="name" type="xs:string" />
5       <xs:element name="address" type="tns:addressType" />
6     </xs:sequence>
7   </xs:complexType>
8 </xs:element>
```