

Web Services Quiz

1. This markup language is considered to be extensible because of its unlimited and self-defining markup symbols
 - A. HTML
 - B. XHTML
 - C. XML**
 - D. W3C

2. This lightweight protocol provides a way for programs to interact with each other, even if using different operating systems and located behind a firewall.
 - A. CORBA
 - B. SOAP**
 - C. RMI
 - D. DCOM

3. This XML-based language is used to describe the services a business offers and to provide a way for individuals and other businesses to access those services electronically
 - A. Xerces
 - B. X-Box
 - C. XUL
 - D. WSDL**

4. What does SOAP define
 - A. The overall structure of the XML message
 - B. The conventions representing the remote procedure call in the XML message
 - C. A binding to HTTP
 - D. The conventions to wrap and send an error to the sender
 - E. All of the above**

5. What is Web?
- A. The computing network infrastructure of our planet
 - B. Internet scale distributed hypermedia system**
 - C. Architecture of software peers exchanging information pages on the Internet
6. What is a Web service?
- A. Serve web agents by processing and replying to requests over Web
 - B. Any service accessible via a Web browser
 - C. Transfers data in requests and replies in XML
 - D. Both A and C**
 - E. Both A and B
 - F. Both C and B
 - G. All of A, B, and C
7. What are all of these technologies: TCP/IP, HTML, Java, and XML, have in common?
- A. Open
 - B. Cross-platform standards
 - C. All of them are languages
 - D. All of them are protocols
 - E. Both A and B**

8. What are the main differences between SOAP Web services and REST Web Services?

- **Message format**
 - SOAP Web Services uses a specific XML protocol which is SOAP as the format of messages between services provider and client
 - REST Web Services can use any XML language. It's not restrict to any particular protocol or language
- **Services description**
 - SOAP Web services clients need to use WSDL (Web Services Description Language) as a standard description language
 - REST Web services clients do not need to use any description language but they can optionally use WADL

9. What are relationships between Services Oriented Architecture (SOA) and Web services?

Although SOA can be implemented without the use of Web services, Web services should be seen as the primary enabler for this architecture. SOA should be differentiated from the use of Web services as purely a convenient means of making components interoperate where the components are not deliberately architected to support a specific business process.

10. If SOA is typically said to be based on Web services, how are Web services different from, for instance, making information available through Web sites, or doing business through a Web e-commerce site?

Web services do not necessarily exist on the Web--they can function on an intranet inside a firewall, for instance. However, what specifically defines them is that they use an inter-locking set of Web-based protocols and standards, so that universally-available Web tools can be used to implement and use them.

Web services have been commonly defined as a standardized way of integrating applications using XML