

Web Services

1) What is a Web Service?

Web Services allows one application to share information (or) exchange data with other application across different operating systems and machines.

2) What is the extension of Web services?

.asmx (Active Server Method Extension)

3) When we use Web Service and When Remoting?

Web services are best suited for Heterogeneous environment.ex:

Remoting is best suited for Homogeneous environment. ex:

4) What is the transport protocol you use to call a Web service SOAP?

HTTP

5) True or False: A Web service can only be written in .NET?

False

6) What does WSDL stand for?

Using **Web services Description Language (WSDL)**, the client can know the location of Web Service.

Client can locate documents that describe Web Service using WSDL.

7) Where on the Internet would you look for Web services?

UDDI

8) True or False: To test a Web service you must create a windows application or Web application to consume this service?

No.

9) What is DISCO file?DISCO full form

DISCO file is used for publishing and discovering web services.

10) What is a [Web Method] in Web Service?

[Web Method] attribute exposes a functionality of a web service to client application.

11) What is SOAP?

SOAP means **Simple Object Access Protocol**. Web services use **SOAP** in order to expose the business functionalities to the applications. Using SOAP, web service communicates with applications across different platforms.

SOAP is an **XML-based** protocol to let applications exchange information over **HTTP**.

- ✓ SOAP is a protocol for accessing a Web Service.
- ✓ SOAP is a communication protocol.
- ✓ SOAP is a format for sending messages.
- ✓ SOAP is platform independent and language independent.

12) Give examples where SOAP is used?

Different application running on different types of operating systems and using different technologies.

13) What is UDDI?

UDDI means **Universal Description Discovery and Integration**.

It is used for Describing services, Discovering Businesses and Integrating Business Services by using internet.

- ✓ UDDI is a directory for storing information about **web services**.
- ✓ It provides information to web application by using SOAP protocol.

14) Do web services support data reader?

No, it supports **Data set**.

15) How to make a class accessible as a web service (or) what is the namespace to access Web Service?

System.Web.Services.WebService

16) What are the protocols supported by web services built with ASP.NET to exchange data?

- ✓ HTTP GET
- ✓ HTTP POST
- ✓ SOAP

17) What is proxy in web service?

To communicate with web service, client application creates an object of web service **proxy** class.

The proxy object provides access to all methods and properties of web services to client.

18) Describe the step to be followed to access web service by client?

- ✓ Add a web reference to the web service in the client application.
- ✓ Generate a proxy class.
- ✓ Create an object of the proxy class
- ✓ Access the Web service by using a proxy object

19) What is difference between Add Reference and Add Service reference?

Add Reference is used to add the **.Net assemblies** and **COM components** to the project files.

Add Service Reference is used to create a proxy for the **web service**.

20) Web services support data reader?

No.