

Introduction to ASP.NET Web API

Q. 1	What is the purpose of Web-API?
Ans:	The ASP.NET Web API is used to create and build HTTP based, back-end web services which can be then called by client supporting connected through HTTP protocol.
Q. 2	What is important difference between SOAP & HTTP Web Service?
Ans:	SOAP-based web services generally required a tool kit and more processing power whereas HTTP is everywhere, it's lightweight and we can use it to exchange information with big servers as well as small device like mobile phones.
Q. 3	Complete the following statement. Web API is a framework that is part of _____ that enables you to build Representational State Transfer(REST) –enabled web services
Ans:	ASP.NET MVC
Q. 4	What is the one which is used by ASP.NET developers that simplifies the process of adding real-time web functionality to applications?
Ans:	ASP.NET SignalR
Q. 5	Which of these out of SOAP Based Web Service, WCF & Web API are NOT open source?
Ans:	SOAP Based Web Service & WCF are NOT open source.
Q. 6	What are different format types used for creating response data by Web API's MediaTypeFormatter?
Ans:	Web API's MediaTypeFormatter can use JSON, XML or any other format to create response data.
Q. 7	What is the use of HttpClient from System.Net.Http namespace?
Ans:	HttpClient class can be used to consume Web API service from any .NET Application such as Console, WinForms or WPF applications.
Q. 8	It is possible to consume the Web API from JavaScript application? How?
Ans:	Yes, to consume a Web API from technologies like Java script or JQuery we have to use XMLHttpRequest.
Q. 9	What are different type of routings supported by Web API?
Ans:	<ol style="list-style-type: none"> 1. Convention based Routing 2. Attribute Routing
Q. 10	Identify the type of routing used in the following Web API code snippet? [Route("customers/{customerId}/orders")] public IEnumerable<Order> GetOrdersByCustomer(int customerId) { ... }
Ans:	The above code snippet is using Attribute based routing introduced in Web API v2.0
Q. 11	What are different ways to read/get values inside the Web API service?
Ans:	Web API Parameter Binding provides way to read/get values from the URI and from the message body.
Q. 12	What is the default way used to read/get complex type parameters in Web API service?
Ans:	If the parameter is a complex type then the Web API catches the value from the message body which usesFromBodyAttribute.
Q. 13	What is the use of NonAction Attribute in Web API?
Ans:	NonAction is used to indicate that a controller method is not an action method.
Q.14	What is the use of Accept Http header?
Ans	By using Accept header, Web API understands which representation the client is able to accept.