Contents of HelloService.wsdl file:

<definitions name="HelloService"

targetNamespace="http://www.examples.com/wsdl/HelloService.wsdl"

xmlns="http://schemas.xmlsoap.org/wsdl/"

xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/"

xmlns:tns="http://www.examples.com/wsdl/HelloService.wsdl"

xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<message name="SayHelloRequest">

<part name="firstName" type="xsd:string"/>

</message>

<message name="SayHelloResponse">

<part name="greeting" type="xsd:string"/>

</message>

<portType name="Hello\_PortType">

<operation name="sayHello">

<input message="tns:SayHelloRequest"/>

<output message="tns:SayHelloResponse"/>

</operation>

</portType>

<binding name="Hello\_Binding" type="tns:Hello\_PortType">

<soap:binding style="rpc"

transport="http://schemas.xmlsoap.org/soap/http"/>

<operation name="sayHello">

<soap:operation soapAction="sayHello"/>

<input>

<soap:body

encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"

namespace="urn:examples:helloservice"

use="encoded"/>

</input>

<output>

<soap:body

encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"

namespace="urn:examples:helloservice"

use="encoded"/>

</output>

</operation>

</binding>

<service name="Hello\_Service">

<documentation>WSDL File for HelloService</documentation>

<port binding="tns:Hello\_Binding" name="Hello\_Port">

<soap:address

location="http://www.examples.com/SayHello/" />

</port>

</service>

</definitions>

Example Analysis

* **Definitions** : HelloService
* **Type** : Using built-in data types and they are defined in XMLSchema.
* **Message** :
  + sayHelloRequest : firstName parameter
  + sayHelloresponse: greeting return value
* **Port Type** : sayHello **operation** that consists of a request and a response service.
* **Binding** : Direction to use the SOAP HTTP transport protocol.
* **Service** : Service available at http://www.examples.com/SayHello/
* **Port** : Associates the binding with the URI http://www.examples.com/SayHello/ where the running service can be accessed.