

WSDL - <MESSAGE> ELEMENT

http://www.tutorialspoint.com/wsdl/wsdl_message.htm

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- The **<message>** element describes the data being exchanged between the web service providers and the consumers.
- Each Web Service has two messages: input and output.
- The input describes the parameters for the web service and the output describes the return data from the web service.
- Each message contains zero or more **<part>** parameters, one for each parameter of the web service function.
- Each **<part>** parameter associates with a concrete type defined in the **<types>** container element.

Let us take a piece of code from the WSDL Example chapter:

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

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

Here, two message elements are defined. The first represents a request message *SayHelloRequest*, and the second represents a response message *SayHelloResponse*.

Each of these messages contains a single part element. For the request, the part specifies the function parameters; in this case, we specify a single *firstName* parameter. For the response, the part specifies the function return values; in this case, we specify a single greeting return value.