Create service class in a Java project

**package** ism.design.otp.weather;

**import** java.util.Random;

**public** **class** WeatherService {

**public** String getWeather(String location){

Random r=**new** Random();

**if**(r.nextDouble()>=0.5)

**return** "Weather in "+location+" will be sunny";

**else**

**return** "Weather in "+location+" will be rainy";

}

}

Assuming JAVA\_HOME is set, axis2 is installed in tomcat server and binary distribution is unzipped in a directory AXIS2\_HOME points to.

Compile the java class. Go to project bin folder and create the wsdl later to be used to refer the service.

%AXIS2\_HOME%\bin\java2wsdl -cp . -cn ism.design.otp.weather.WeatherService -of WeatherService.wsdl

Create a directory structure

* weatherservice
  + ism\design\otp\weather\WeatherService.class
  + META-INF
    - Services.xml

Where services.xml contents is:

<service name="WeatherService" scope="application">

<description>

Weather Service

</description>

<messageReceivers>

<messageReceiver mep="http://www.w3.org/2004/08/wsdl/in-only" class="org.apache.axis2.rpc.receivers.RPCInOnlyMessageReceiver"/>

<messageReceiver mep="http://www.w3.org/2004/08/wsdl/in-out" class="org.apache.axis2.rpc.receivers.RPCMessageReceiver"/>

</messageReceivers>

<parameter name="ServiceClass">ism.design.otp.weather.WeatherService

</parameter>

</service>

Deploy the folder to: C:\design\apache-tomcat-7.0.32\webapps\axis2\WEB-INF\services

Watch logs for eventual errors.