package com.example.soap;

import javax.jws.WebMethod;

import javax.jws.WebService;

import javax.xml.ws.Endpoint;

@WebService

public class HelloService {

@WebMethod

public String sayHello(String name) {

return "Hello, " + name + "! Welcome to SOAP Web Services.";

}

public static void main(String[] args) {

String url = "http://localhost:8080/HelloService";

Endpoint.publish(url, new HelloService());

System.out.println("SOAP Web Service is running at: " + url + "?wsdl");

}

}

package soapclient;

import java.net.URL;

import javax.xml.namespace.QName;

import javax.xml.ws.Service;

import com.example.soap.HelloService;

public class SOAPClient {

public static void main(String[] args) throws Exception {

URL wsdlURL = new URL("http://localhost:8080/HelloService?wsdl");

QName qname = new QName("http://soap.example.com/", "HelloService");

Service service = Service.create(wsdlURL, qname);

HelloService helloService = service.getPort(HelloService.class);

String response = helloService.sayHello("Nishant");

System.out.println("Response from SOAP Web Service: " + response);

}

}

Output:  
SOAP Web Service is running at: http://localhost:8080/HelloService?wsdl

Response from SOAP Web Service: Hello, Nishant! Welcome to SOAP Web Services.