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AN AUTONOMOUS INSTITUTION



Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai
DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Unit V- Introduction to AJAX and Webservices

Creating Webservices

Step 1 : Click on Eclipse icon. Click on File->New->Dynamic Web Project. Give the suitable name to the project. I have given the project name as **WebService**. Set the Tomcat Web Server and appropriate version number. Following screenshot illustrates this.

New Dynamic Web Project

Create a standalone Dynamic Web project or add it to a new or existing Enterprise Application.

Project name:

Project location

Use default location

Location:

Target runtime

Dynamic web module version

Configuration

Hint: Get started quickly by selecting one of the pre-defined project configurations.

EAR membership

Add project to an EAR

EAR project name:

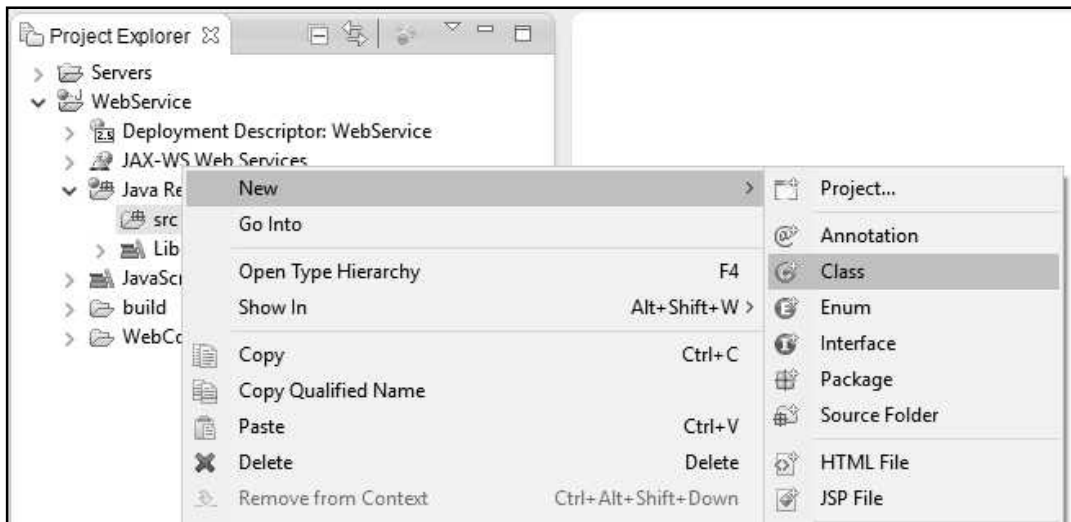
Working sets

Add project to working sets

Working sets:

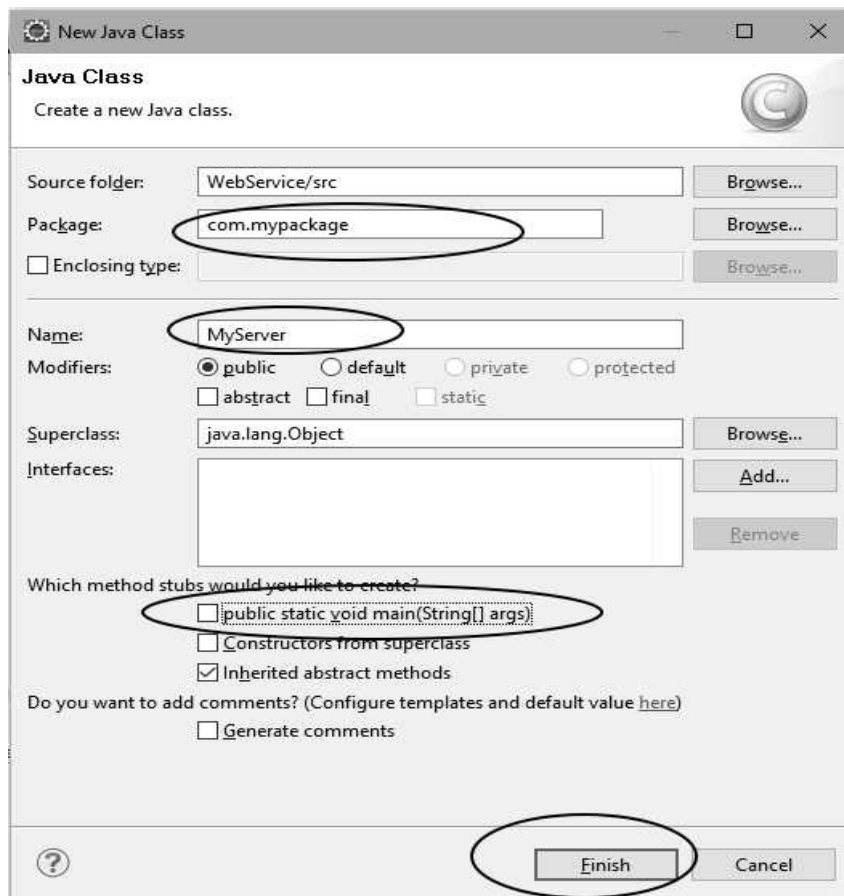
Step 2 : Locate **src** folder under the project in WebService project.

Right click on **src** folder Select **New-> Class**



A New Class Window opens up. Give suitable Package name, Class name and uncheck the check box for void main function. Then click **Finish** button. It is illustrated by following screenshot

check box for void main function. Then click **Finish** button. It is illustrated by following screenshot



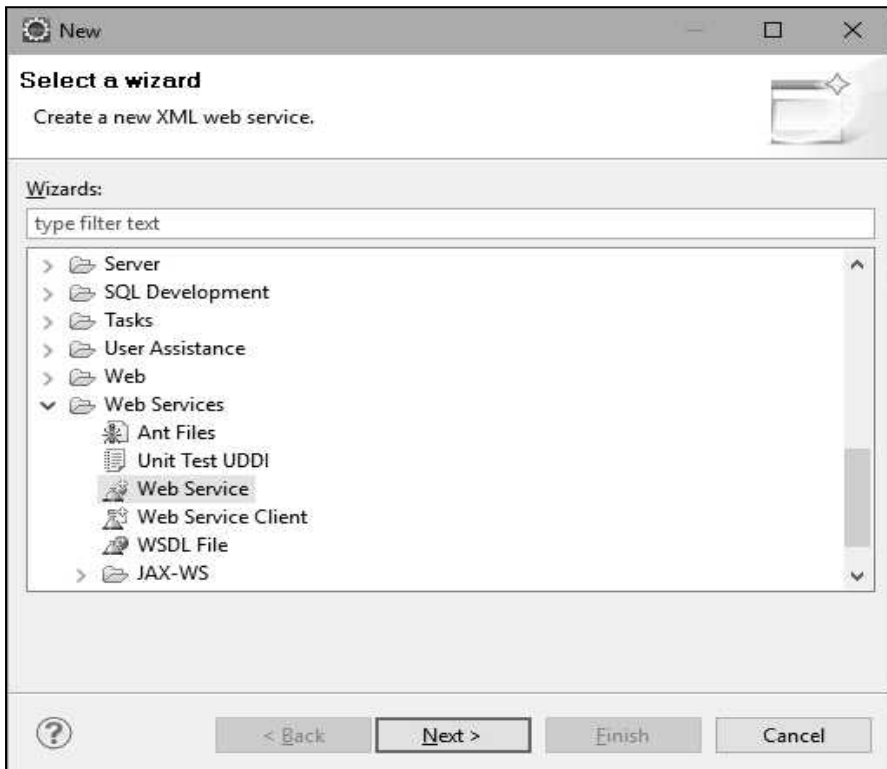
Step 3 : Now write the following code for **MyServer.java**

```
package com.mypackage;
```

```
public class MyServer {  
    public int add(int a,int b){  
        return a+b;  
    }  
}
```

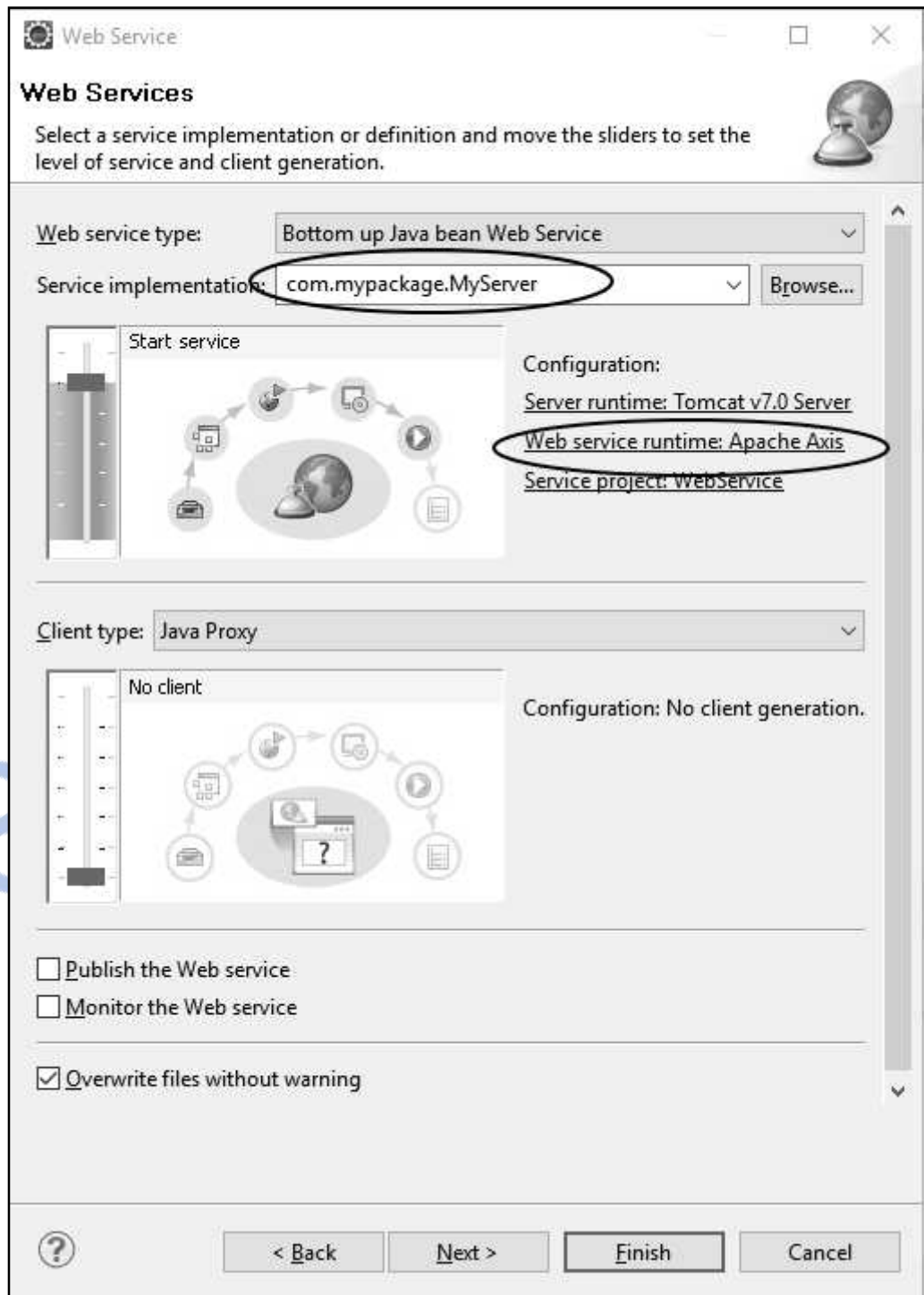
Save the above code.

Step 4 : Now right click on **src** folder. Click **New->other->Web Services->Web Service**. Then click **Next** button

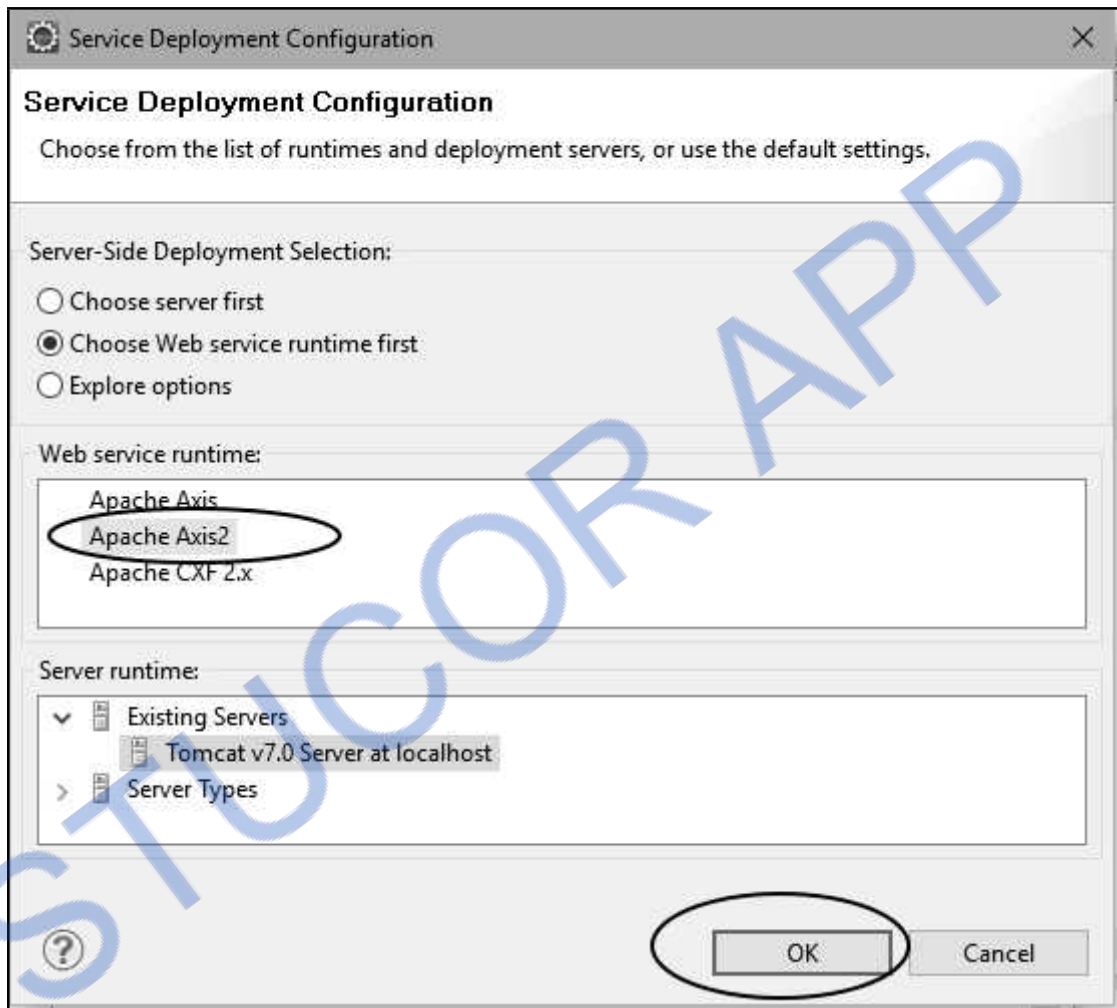


The **Web Services** window will appear. Write the name of service implementation and click on

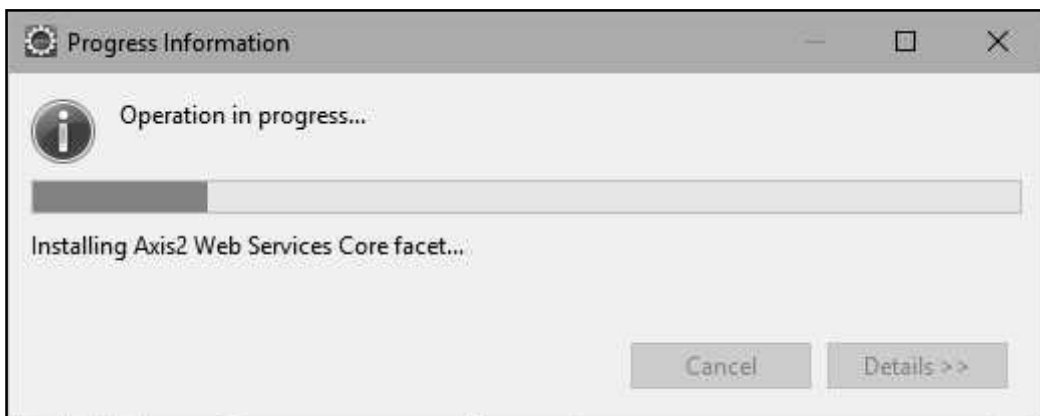
Web service runtime:Apache Axis. Following Screenshot shows this-



Click on **Apache Axis2** and then click **Ok** button. Refer following screenshot



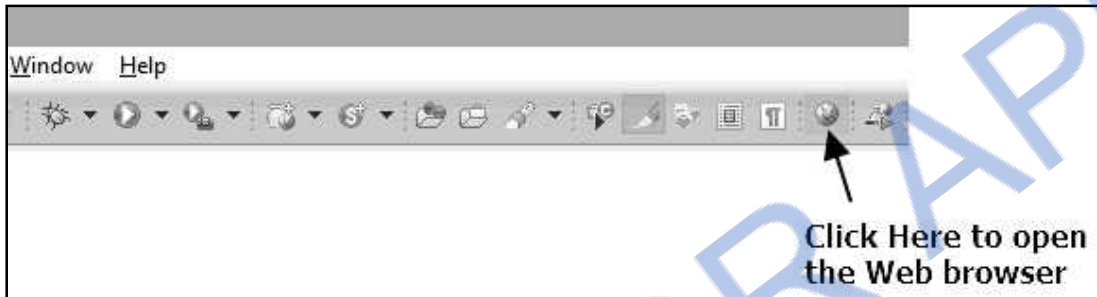
Then click on Finish button. You will get the progress window as



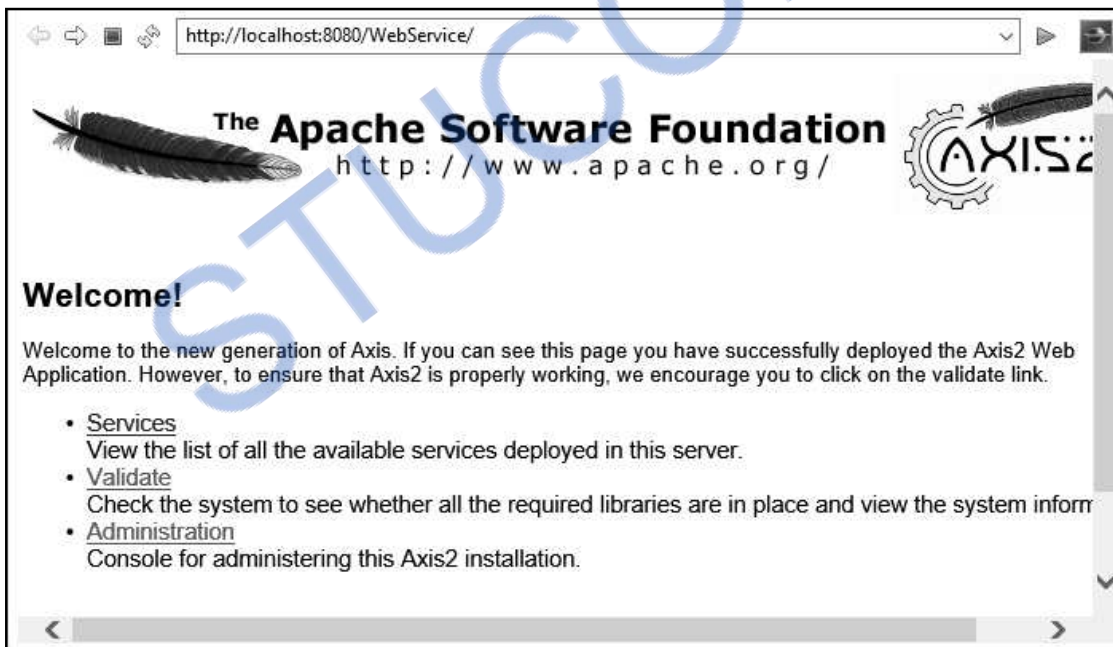
This will generate the WSDL file for your application.

Step 5 : To view the generated WSDL file we need to open up the Web Browser in Eclipse. For that

1. Open Web Browser present on the Toolbar



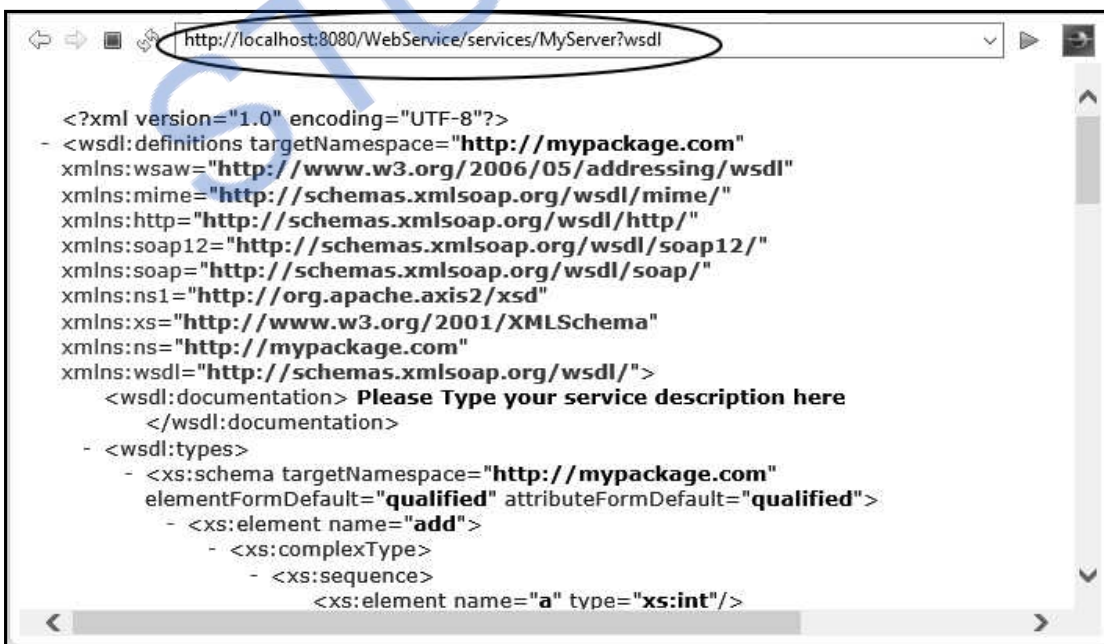
2. Type the URL as follows -



3. Now click on **Services**. Your Web Service name **MyServer** can be located on the page.



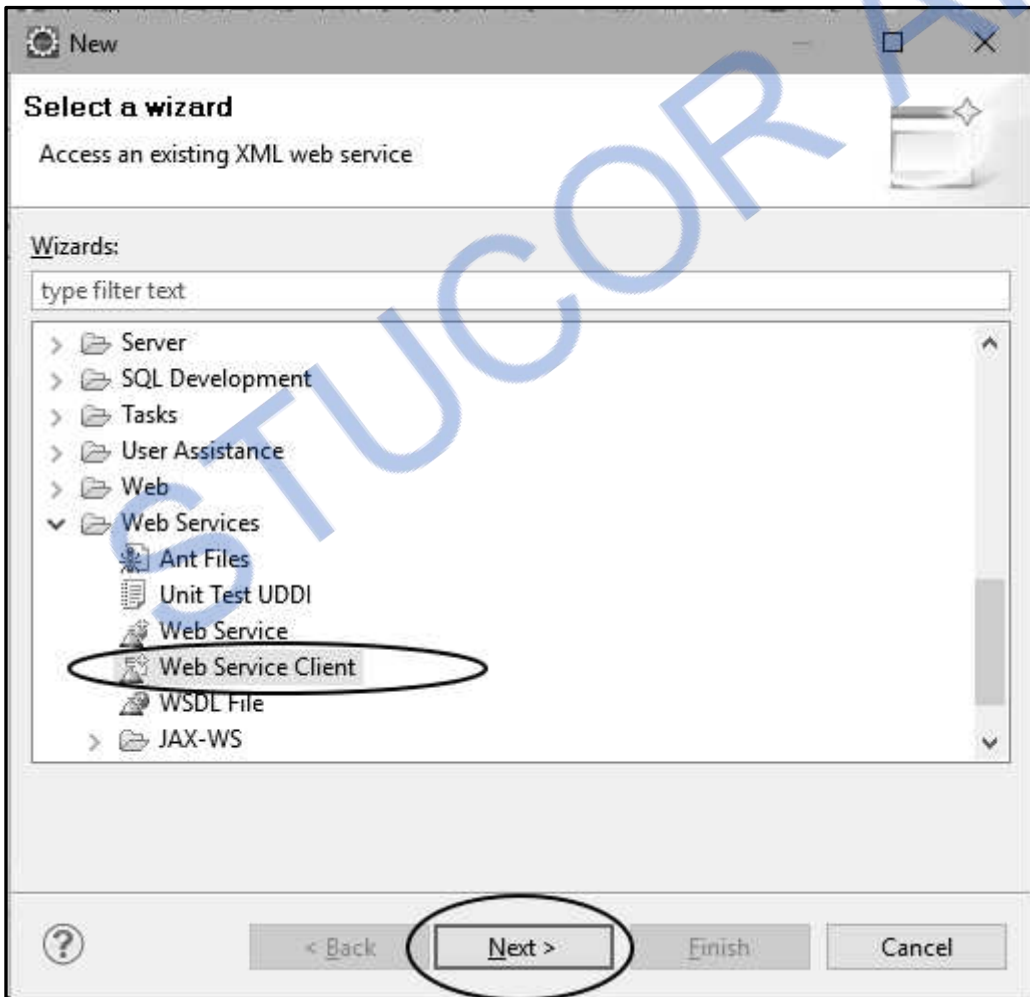
4. Just click on **MyServer** link another web page will be opened up in the browser. This is actually your WSDL file. Copy the full URL for WSDL file marked in screenshot given below. Save this URL in some Notepad file. Note that: We need this URL during the



Stage II: Creating Client for Web Service

Step 6 : Now go to **File->New->Dynamic Web Project**. Give suitable name for your application. Here we are creating a client for the Web service created in above steps. Hence I have given the name **WebServiceClient**. Then click **Finish** button

Step 7 : Now under **WebServiceClient**, right click on **src** folder. Click on **New->Other->Web Services->Web Service Client**



Step 8 : Now right click on **src** folder of **WebServiceClient**. Click on **New->Class**. The **New Java Class** window will appear. Set appropriate package name, class name and Check for void main method.