

# Java WebService 简单实例 - Java,WebService,源码,笔记,简单易懂 - language - ITeye论坛

前言：朋友们开始以下教程前，请先看第五大点的注意事项，以避免不必要的重复操作。

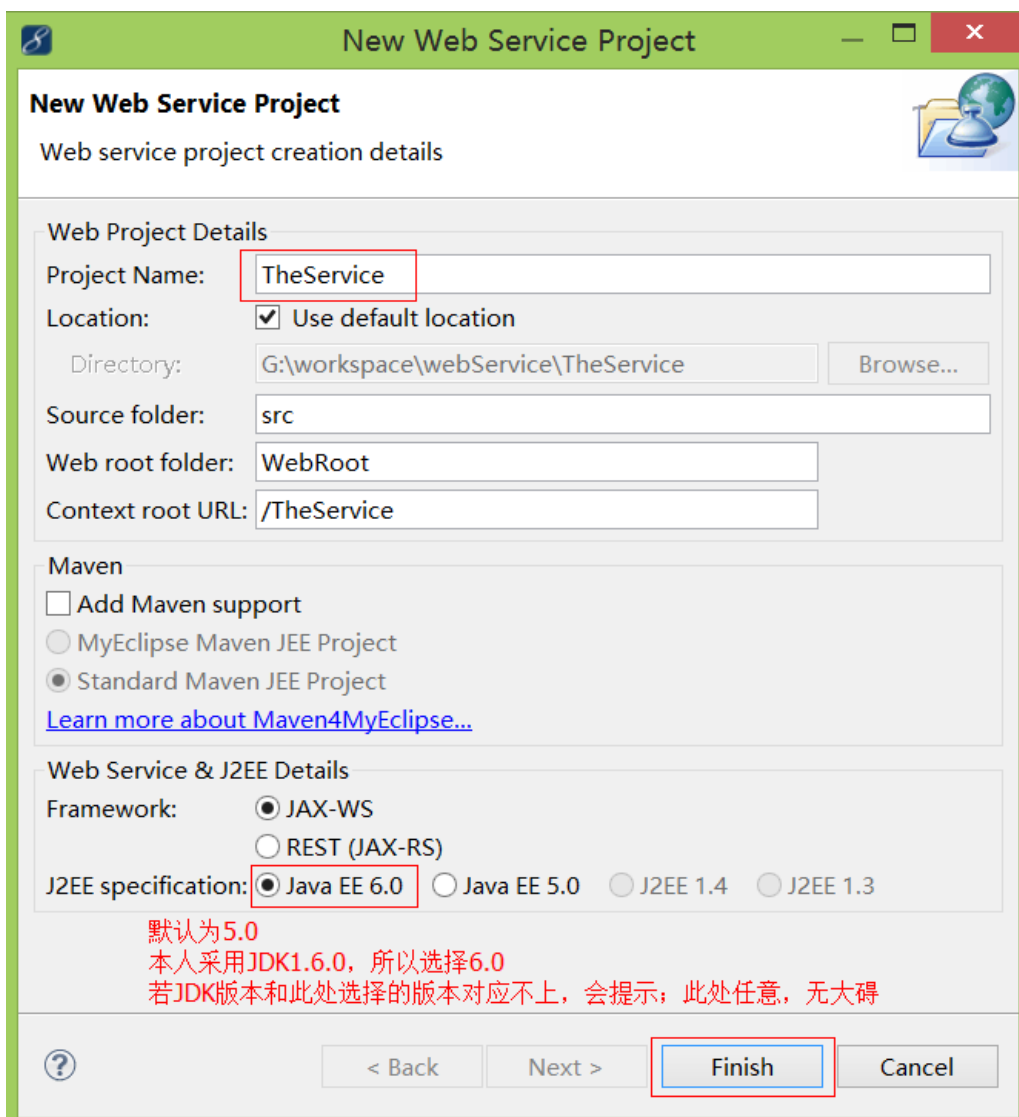
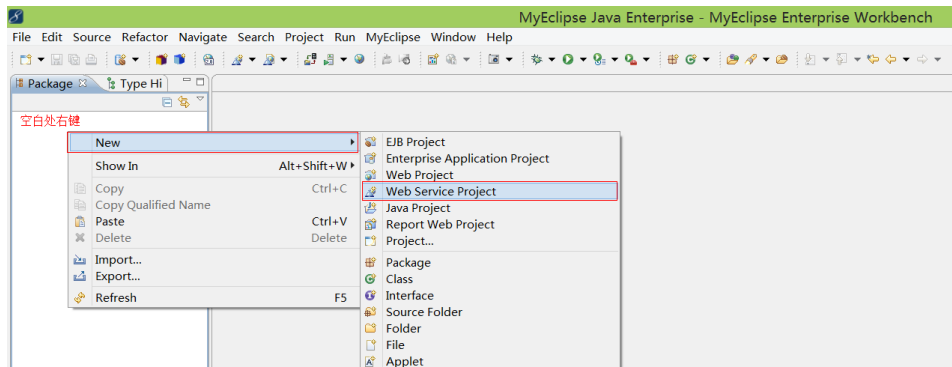
一、准备工作（以下为本实例使用工具）

1、MyEclipse10.7.1

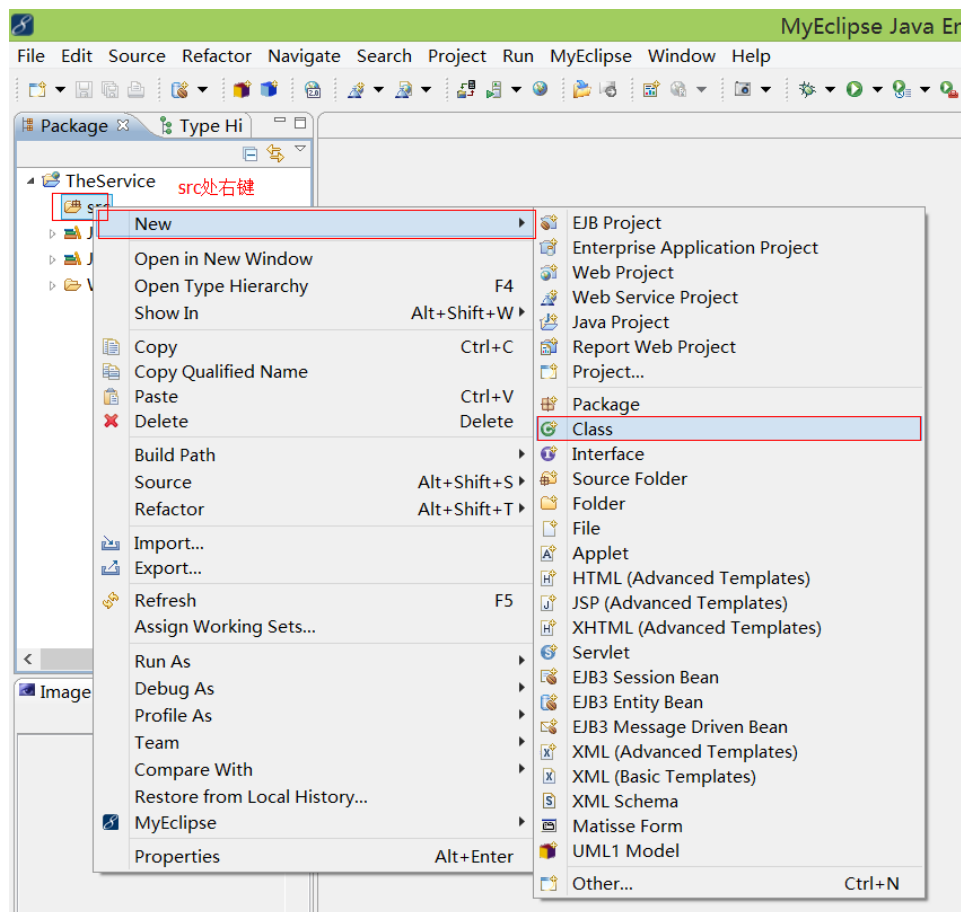
2、JDK 1.6.0\_22

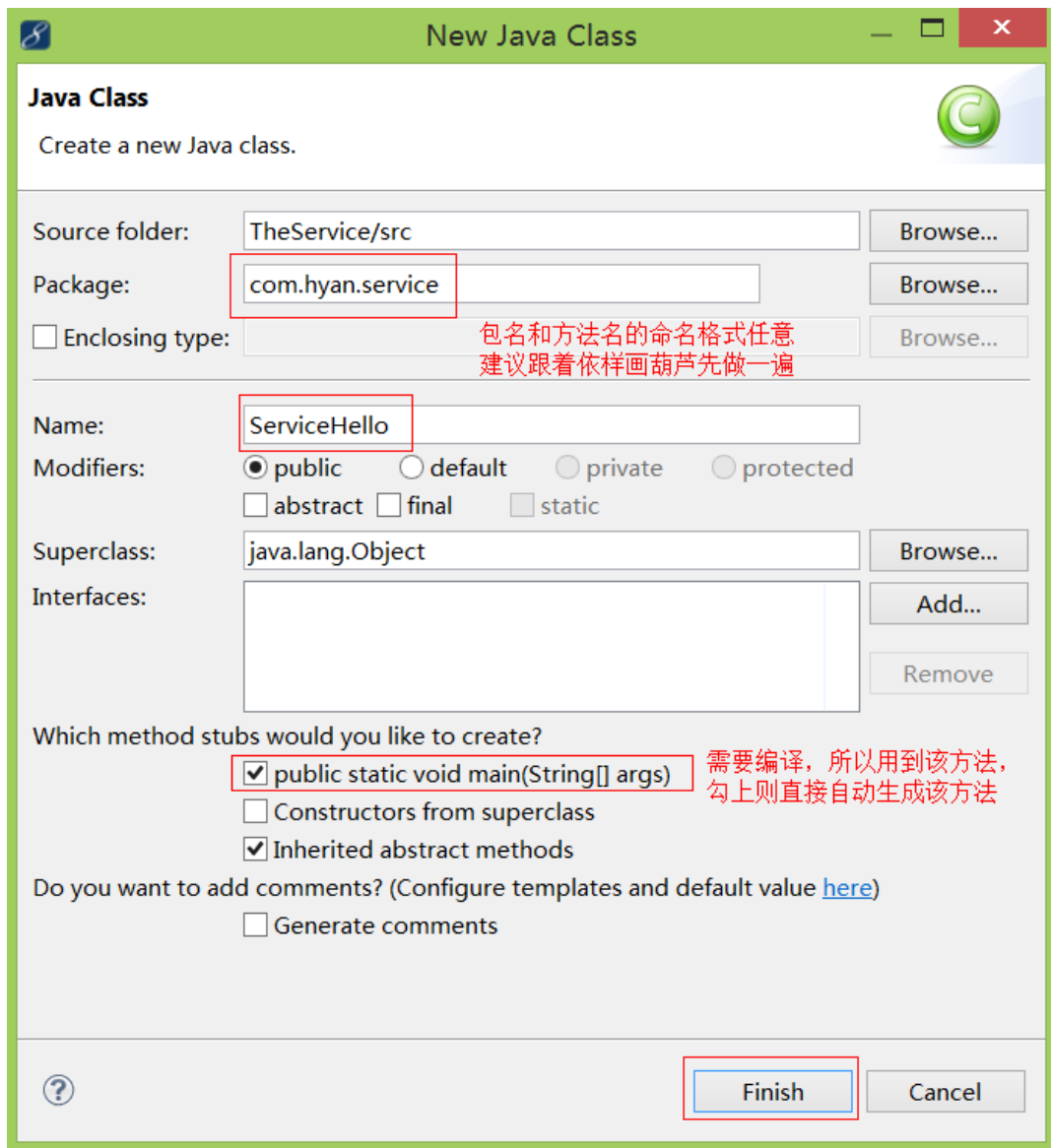
二、创建服务端

1、创建【Web Service Project】，命名为【TheService】。

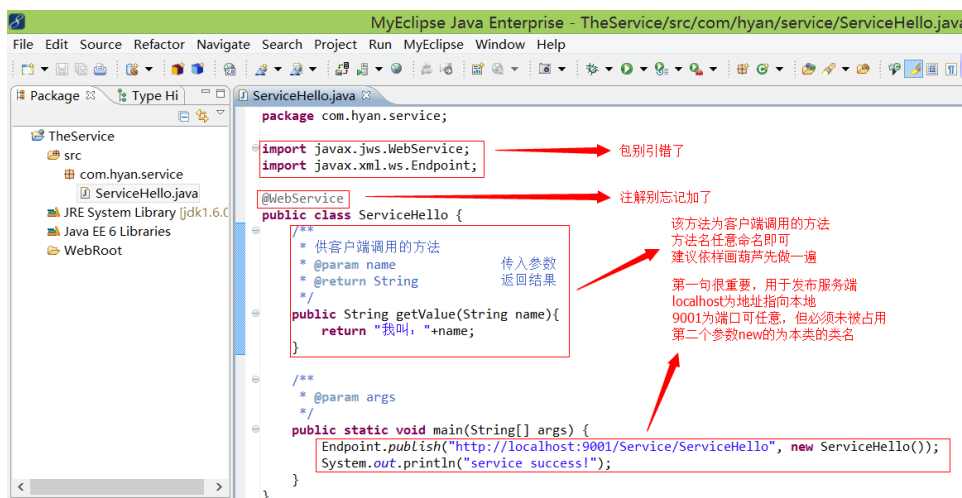


2、创建【Class】类，命名为【ServiceHello】，位于【com.hyan.service】包下。



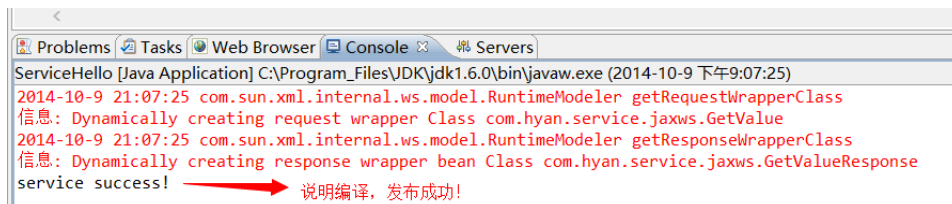
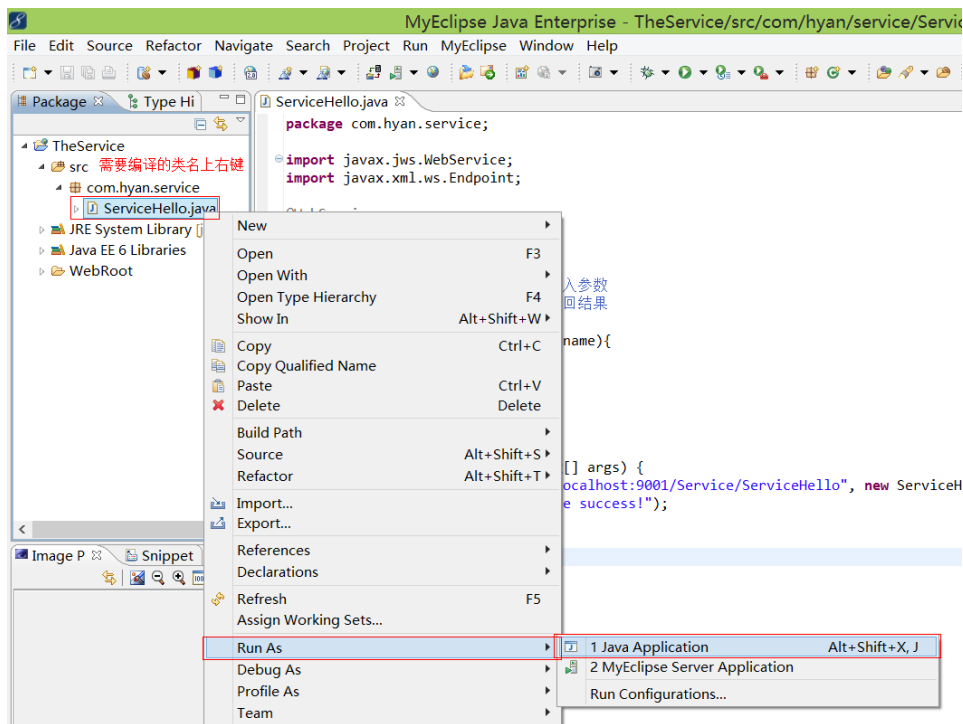


3、编写供客户端调用的方法，即编译方法代码。



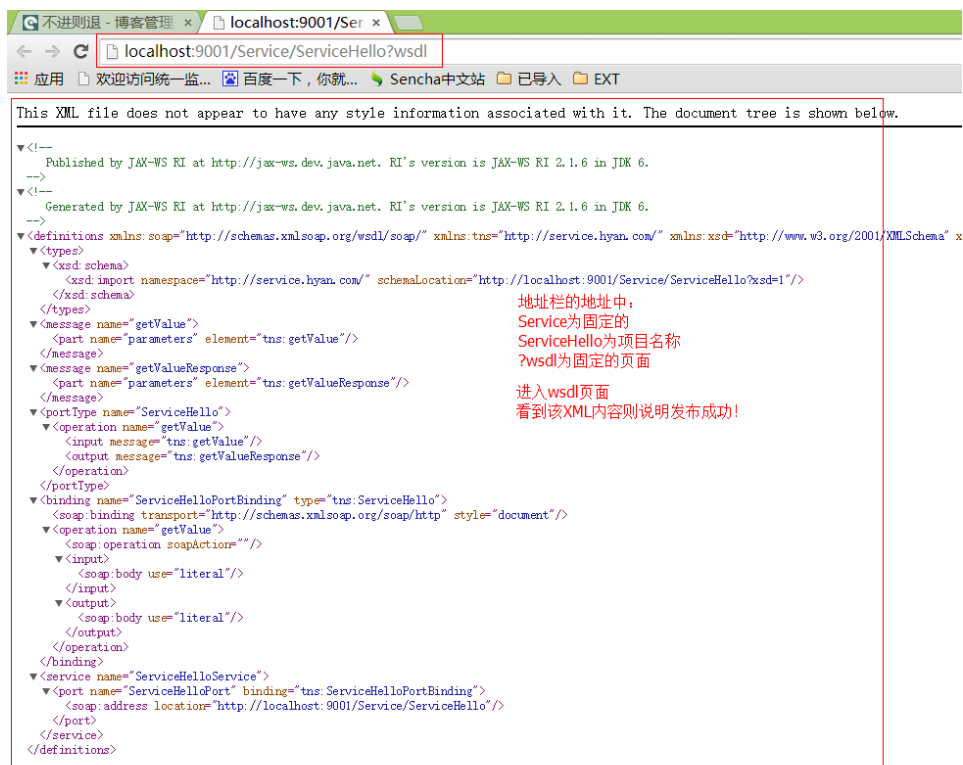
4、进行编译

说明：编译失败的话，请将该项目引用的jdk设置为1.6.0\_17版本或更高版本



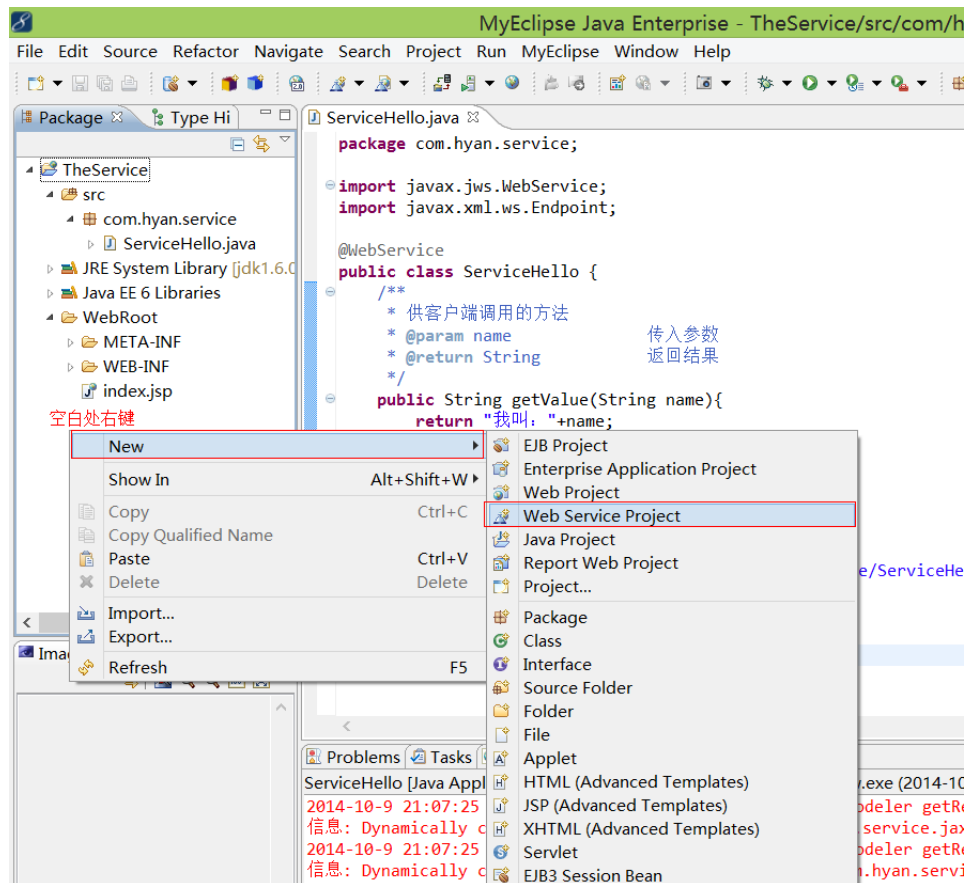
## 5、测试结果

测试地址：<http://localhost:9001/Service/ServiceHello?wsdl>



## 三、生成客户端

1、创建【Web Service Project】，命名为【TheClient】。



**New Web Service Project**

Web service project creation details

**Web Project Details**

Project Name:

Location: ☒ Use default location

Directory:

Source folder:

Web root folder:

Context root URL:

**Maven**

☐ Add Maven support

☐ MyEclipse Maven JEE Project

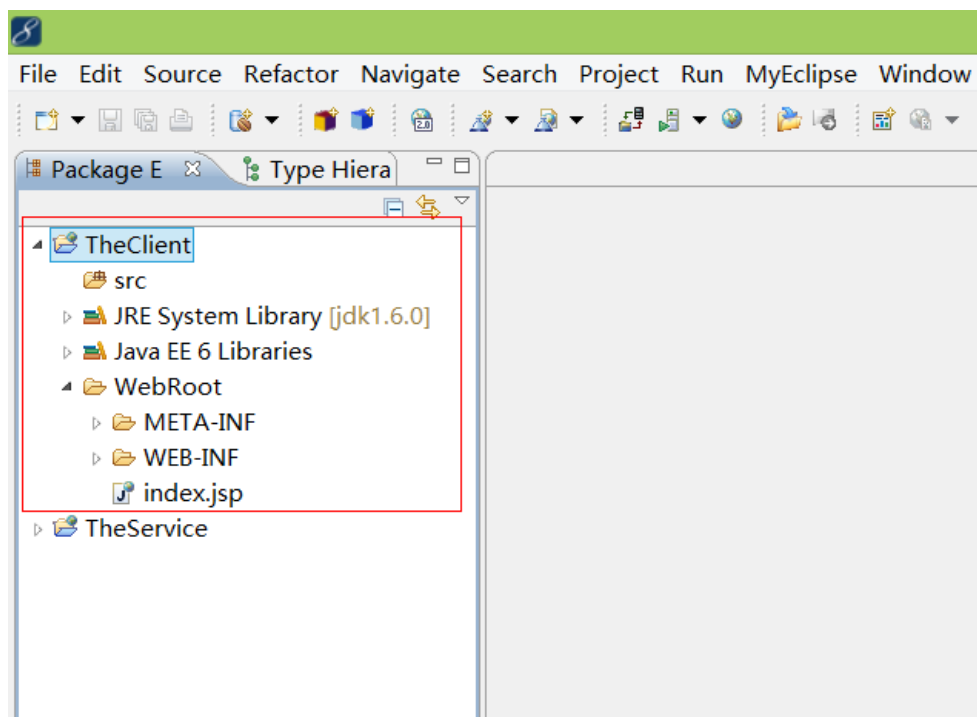
☒ Standard Maven JEE Project

[Learn more about Maven4MyEclipse...](#)

**Web Service & J2EE Details**

Framework: ☒ JAX-WS ☐ REST (JAX-RS)

J2EE specification: ☒ Java EE 6.0 ☐ Java EE 5.0 ☐ J2EE 1.4 ☐ J2EE 1.3



2、命令提示窗口执行生成命令。

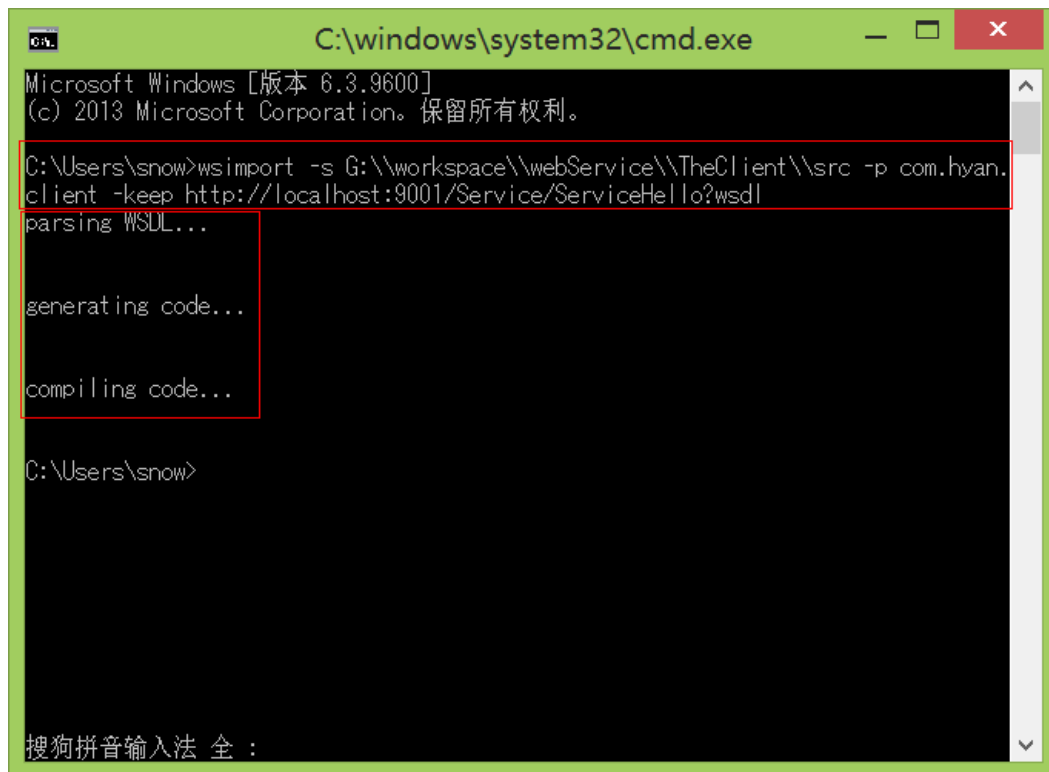
格式: `wsimport -s "src目录" -p "生成类所在包名" -keep "wsdl发布地址"`

示例:

```
wsimport -s G:\workspace\webService\TheClient\src -p com.hyan.client -keep  
http://localhost:9001/Service/ServiceHello?wsdl
```

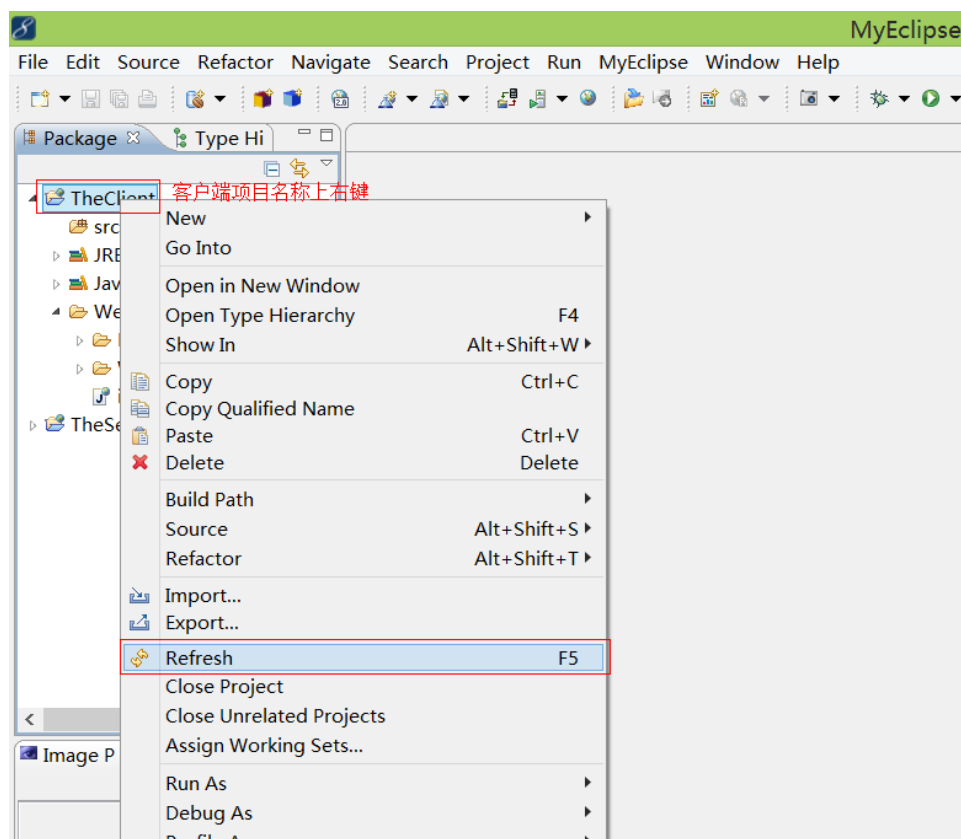
说明:

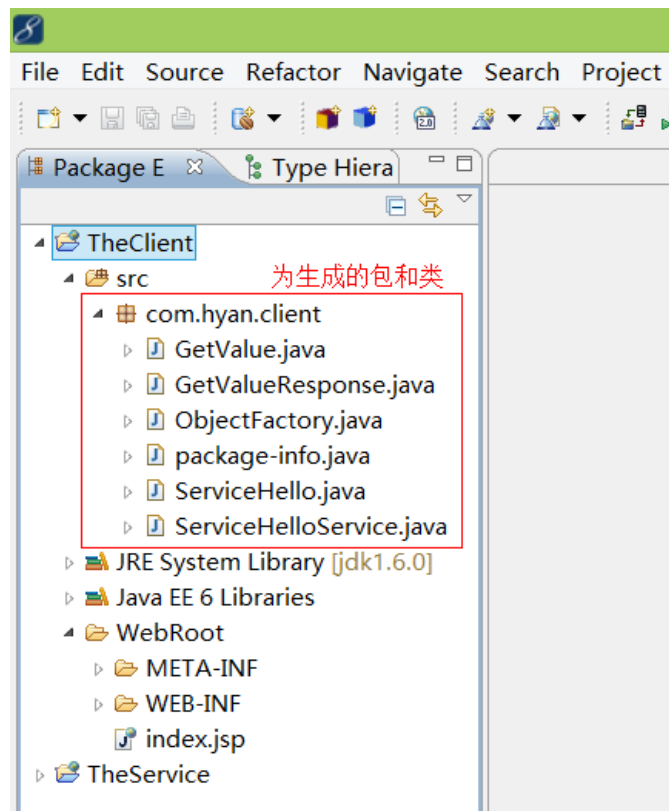
- 1) “src目录”地址不可含空格
- 2) “wsdl发布地址” 不要漏了 “?wsdl”



The screenshot shows a Windows command prompt window titled "C:\windows\system32\cmd.exe". The command entered is: `wsimport -s G:\workspace\webService\TheClient\src -p com.hyan.client -keep http://localhost:9001/Service/ServiceHello?wsdl`. The output shows the process of parsing WSDL, generating code, and compiling code. The prompt is currently at `C:\Users\snow>`. There is a red box highlighting the command and its output.

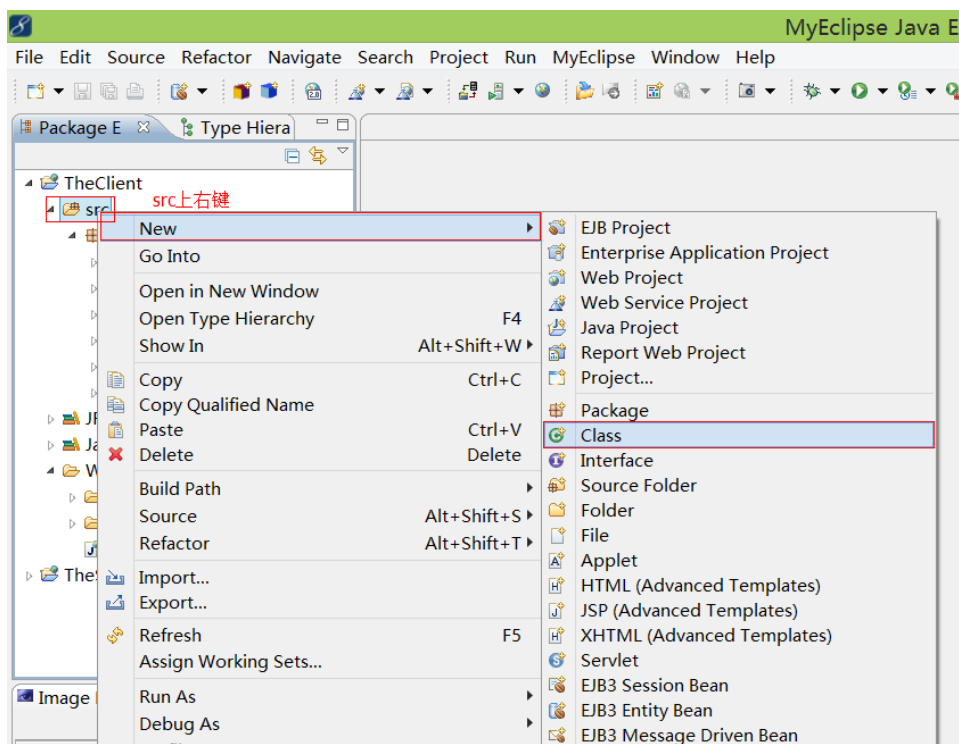
3、刷新项目，检查生成类



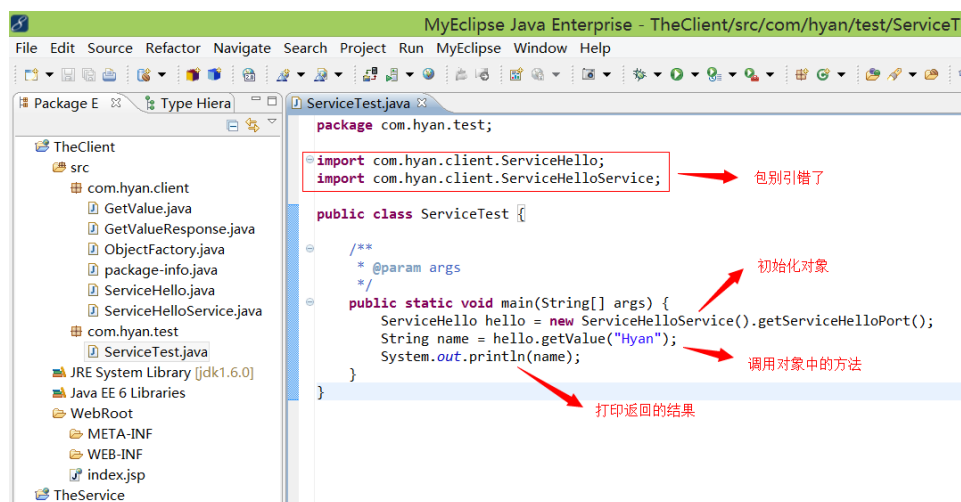
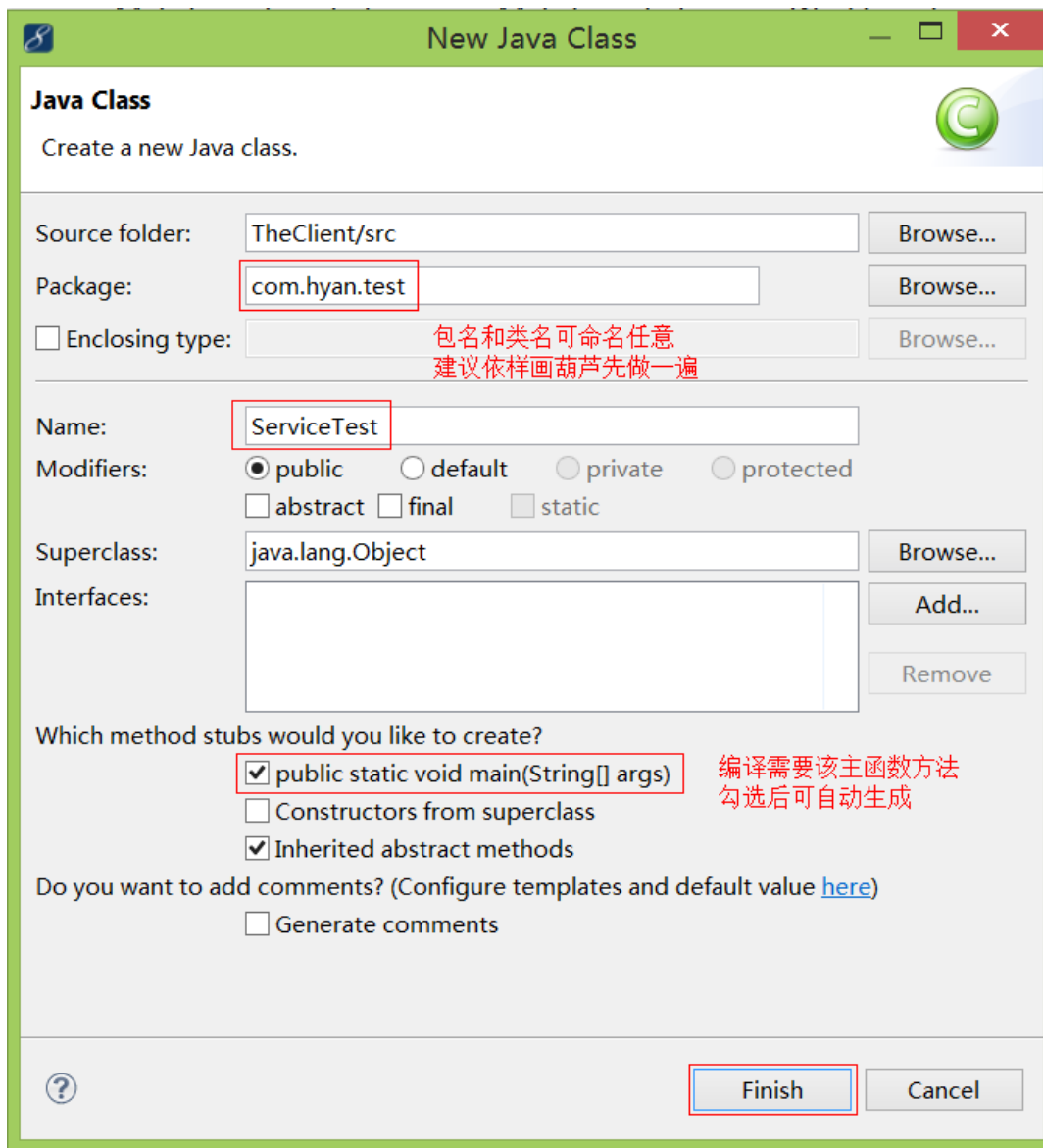


#### 四、最终测试

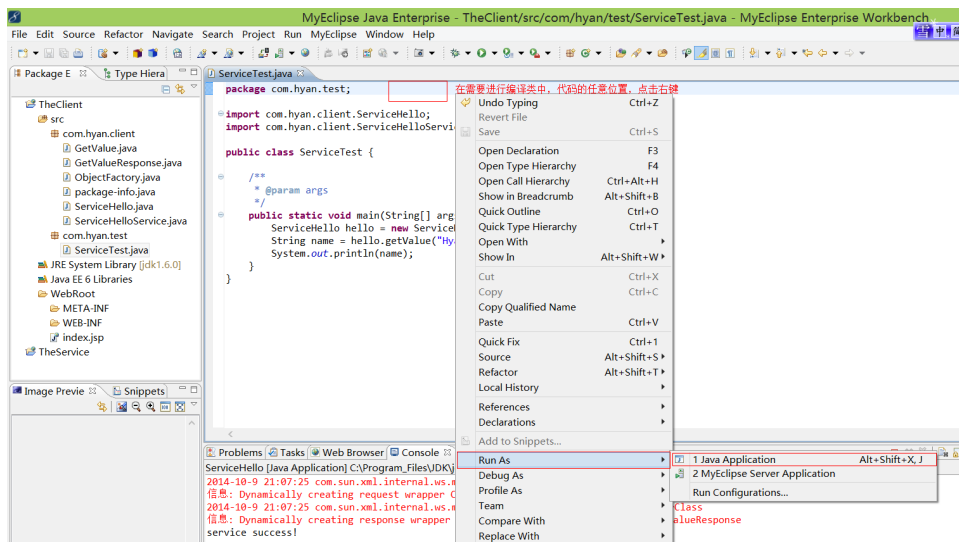
1、创建【Class】类，命名为【ServiceTest】，位于【com.hyan.test】包下。







2、编写测试方法，调用服务端方法，并打印返回的结果。

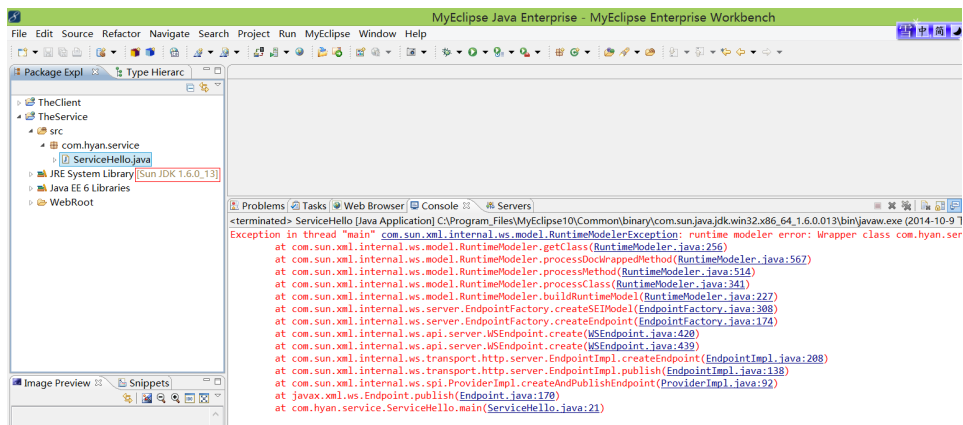


## 五、注意事项

### 1、JDK版本过低问题

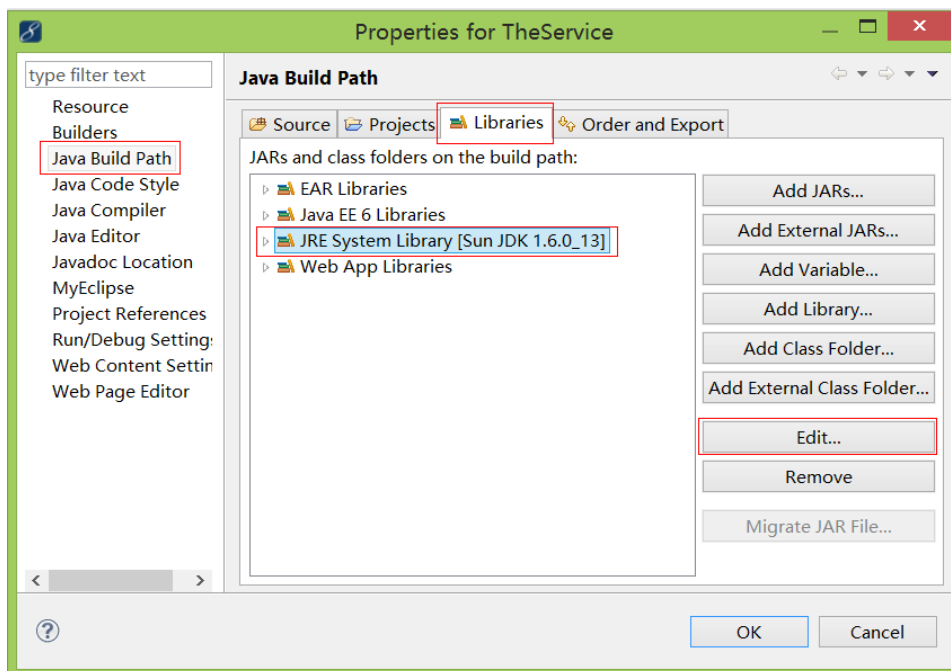
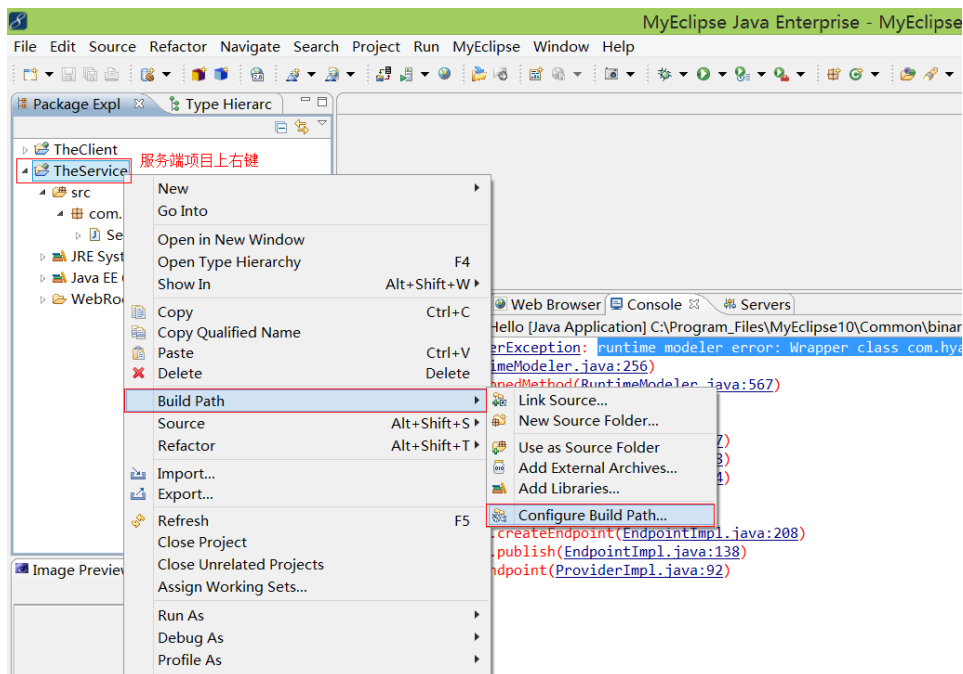
报类似如下的异常：runtime modeler error: Wrapper class com.hyan.service.jaxws.GetValue is not found.

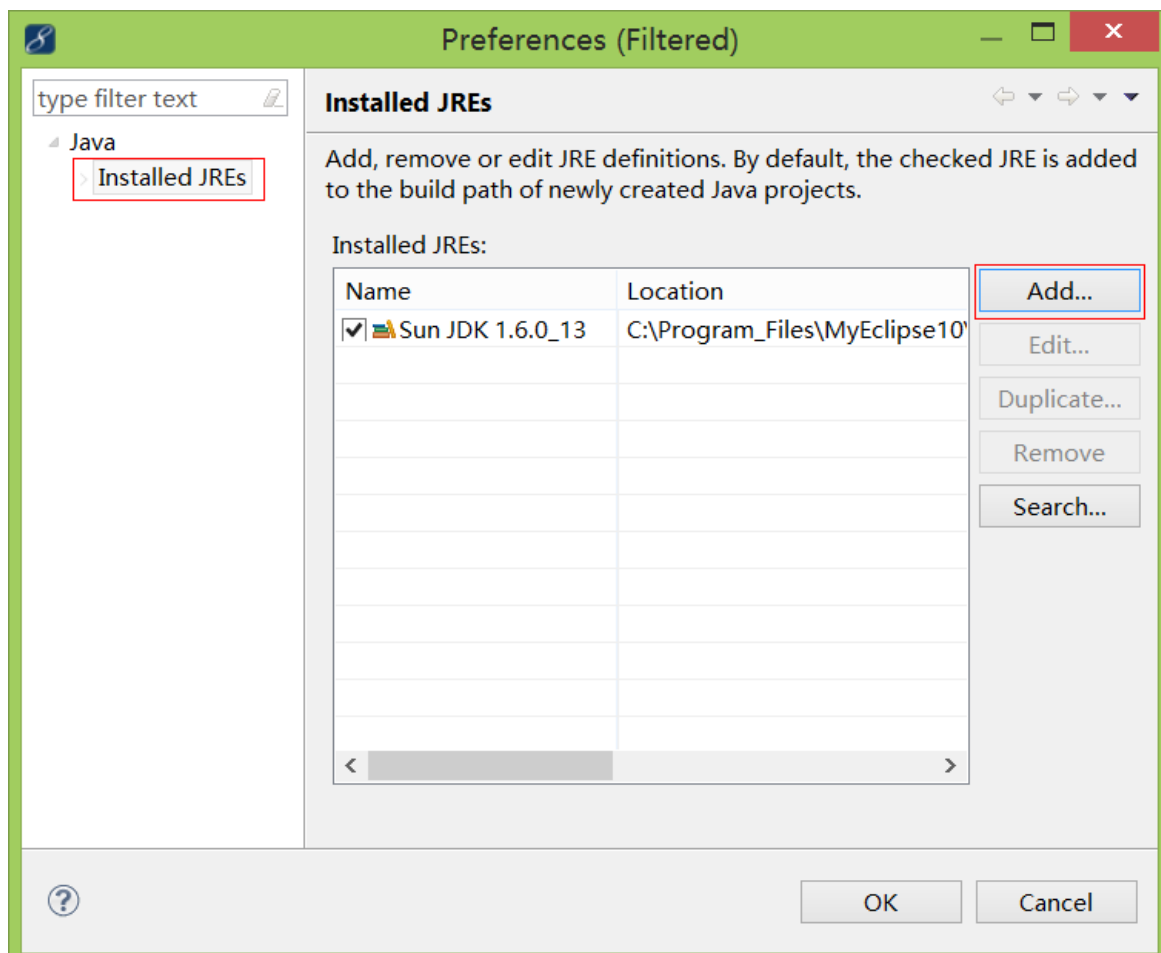
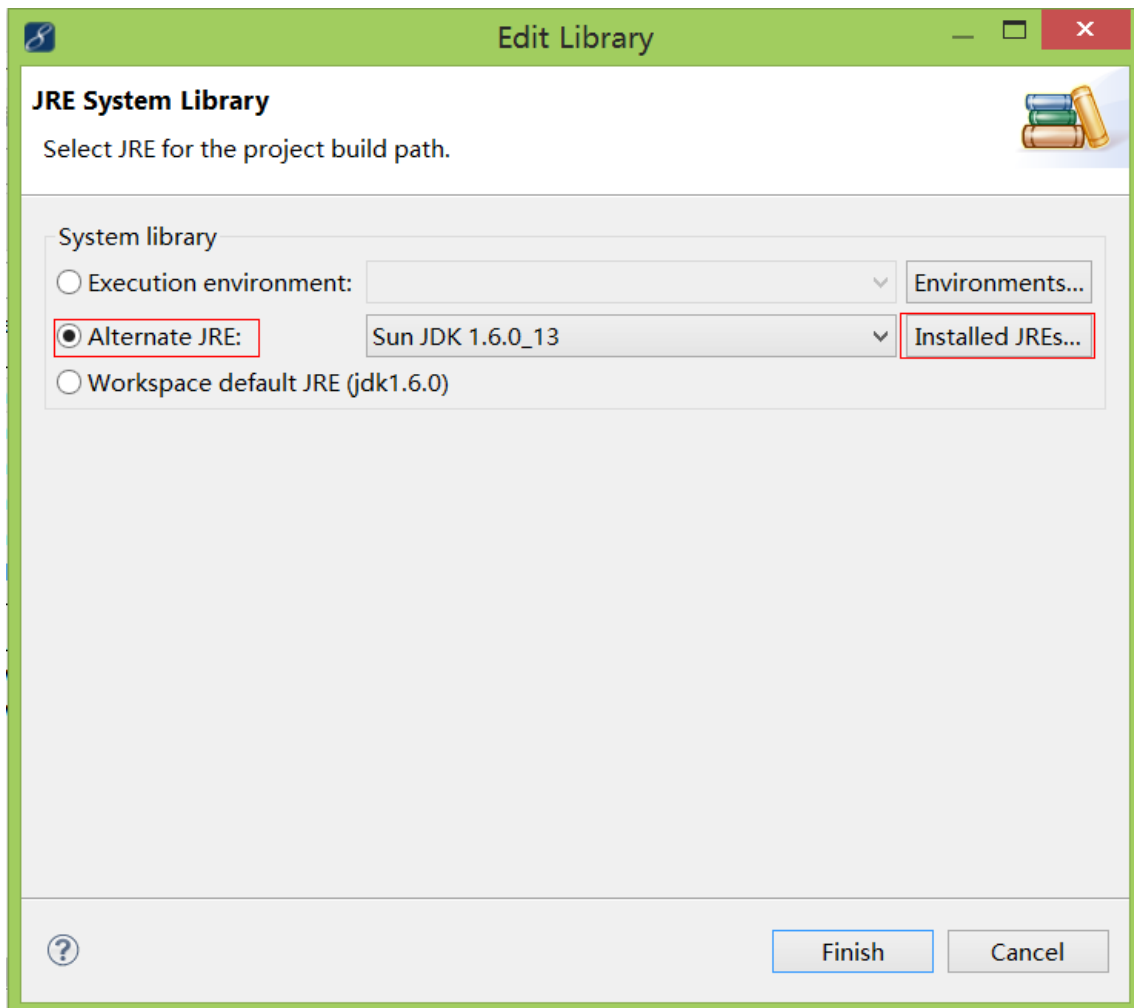
Have you run APT to generate them?

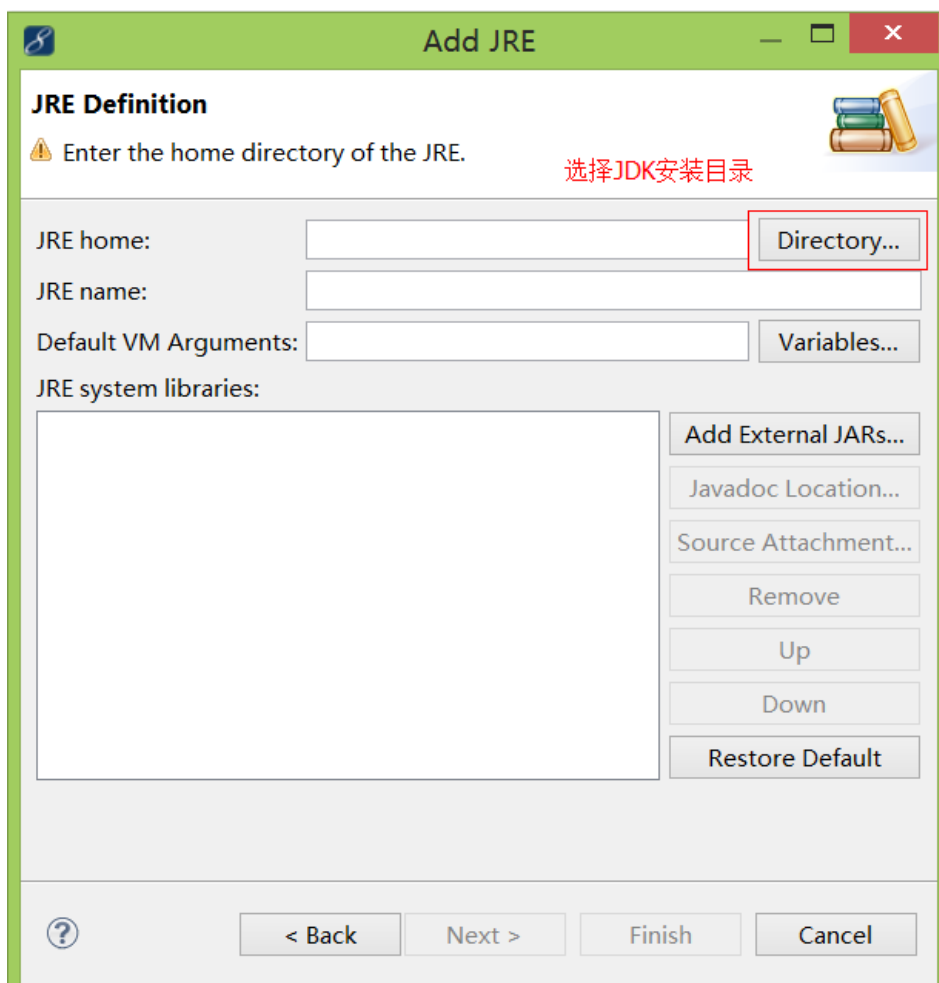
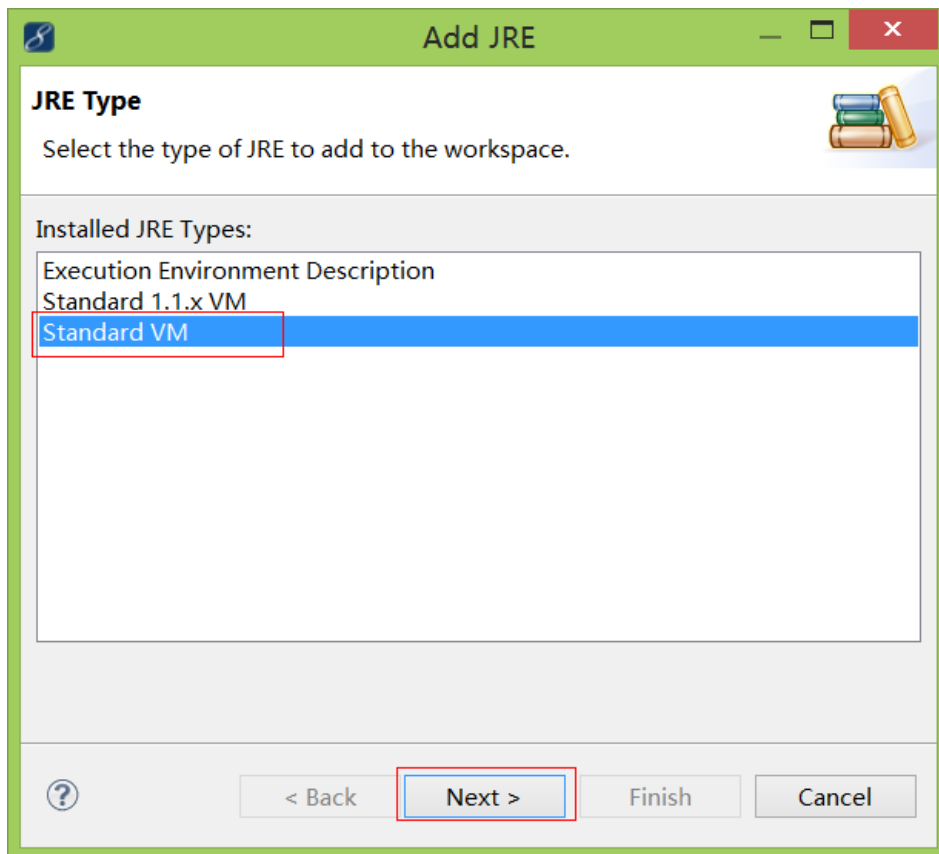


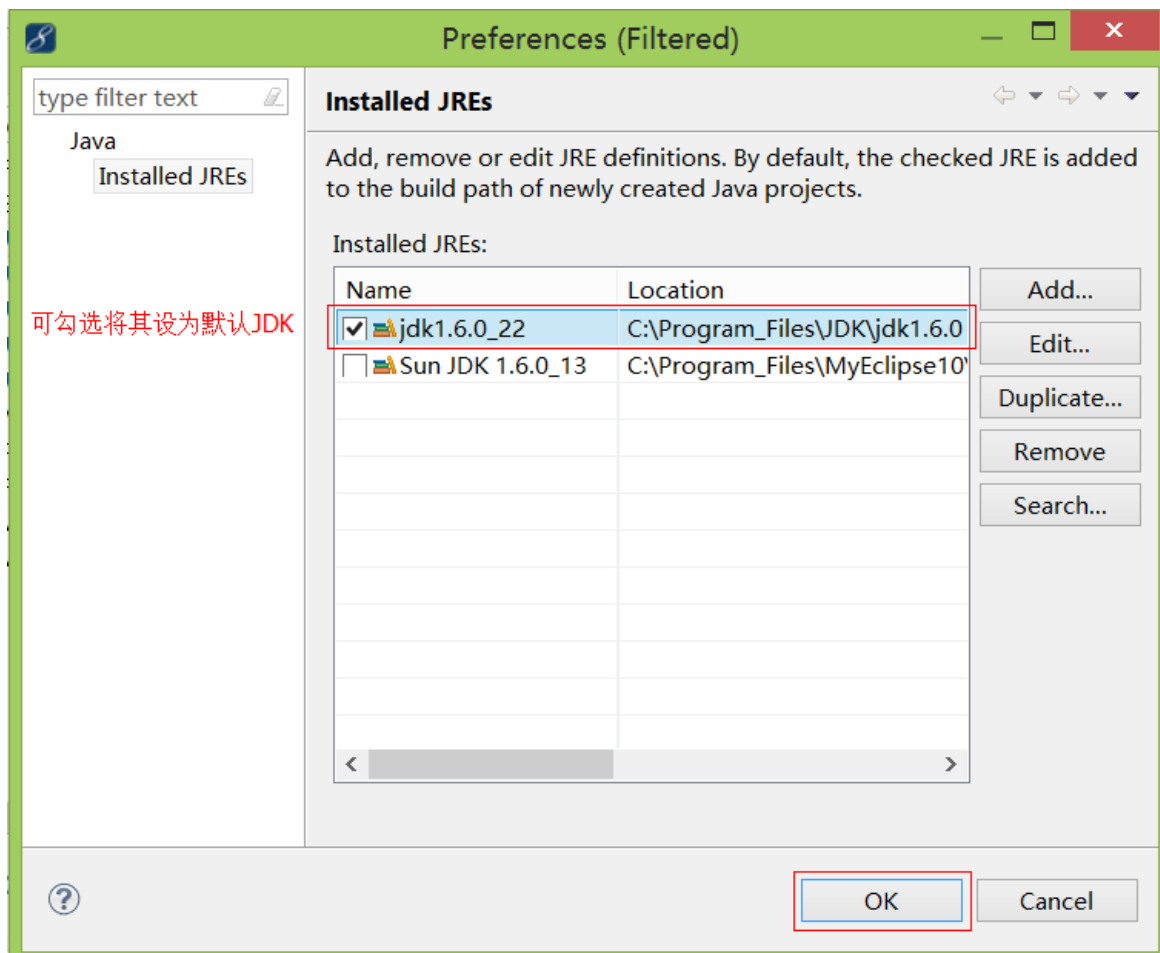
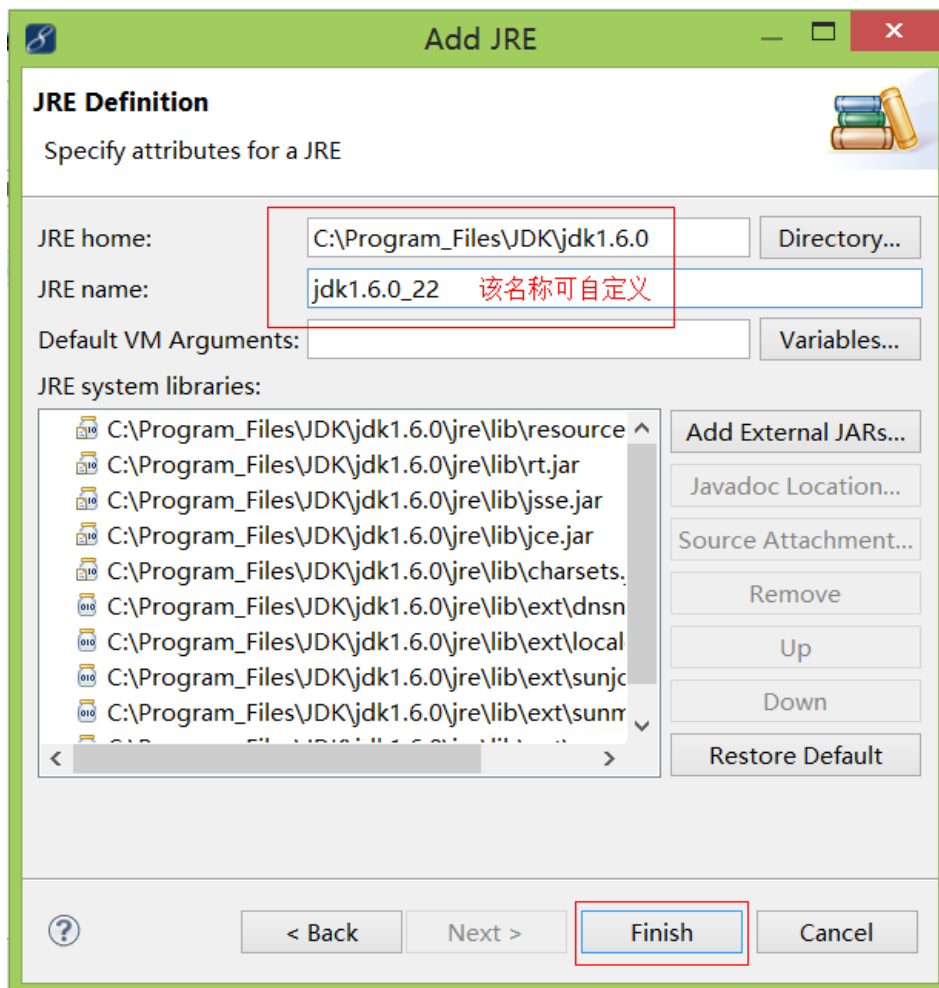
原因：JDK版本低于1.6.0\_17

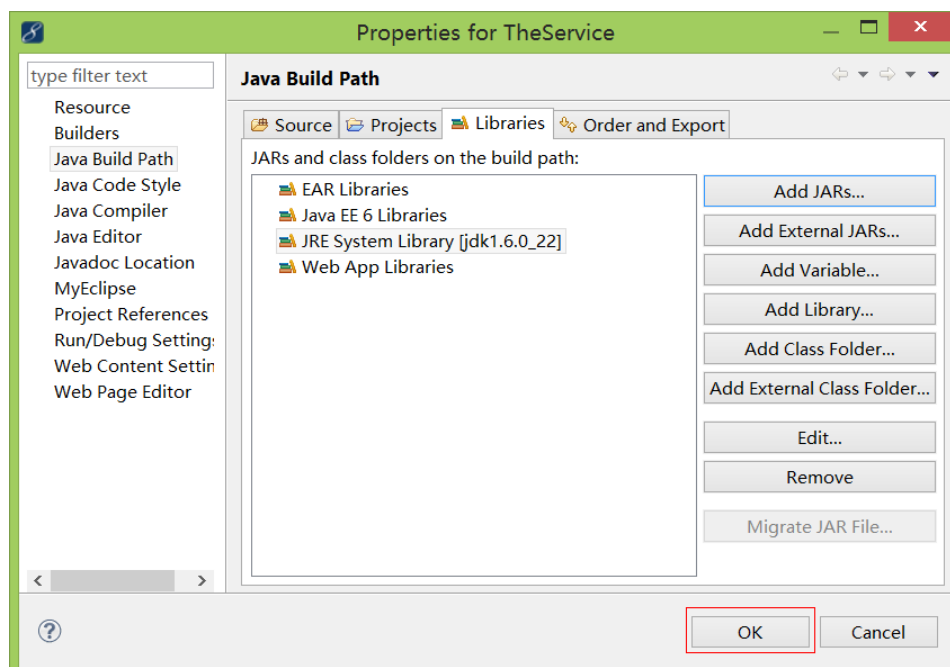
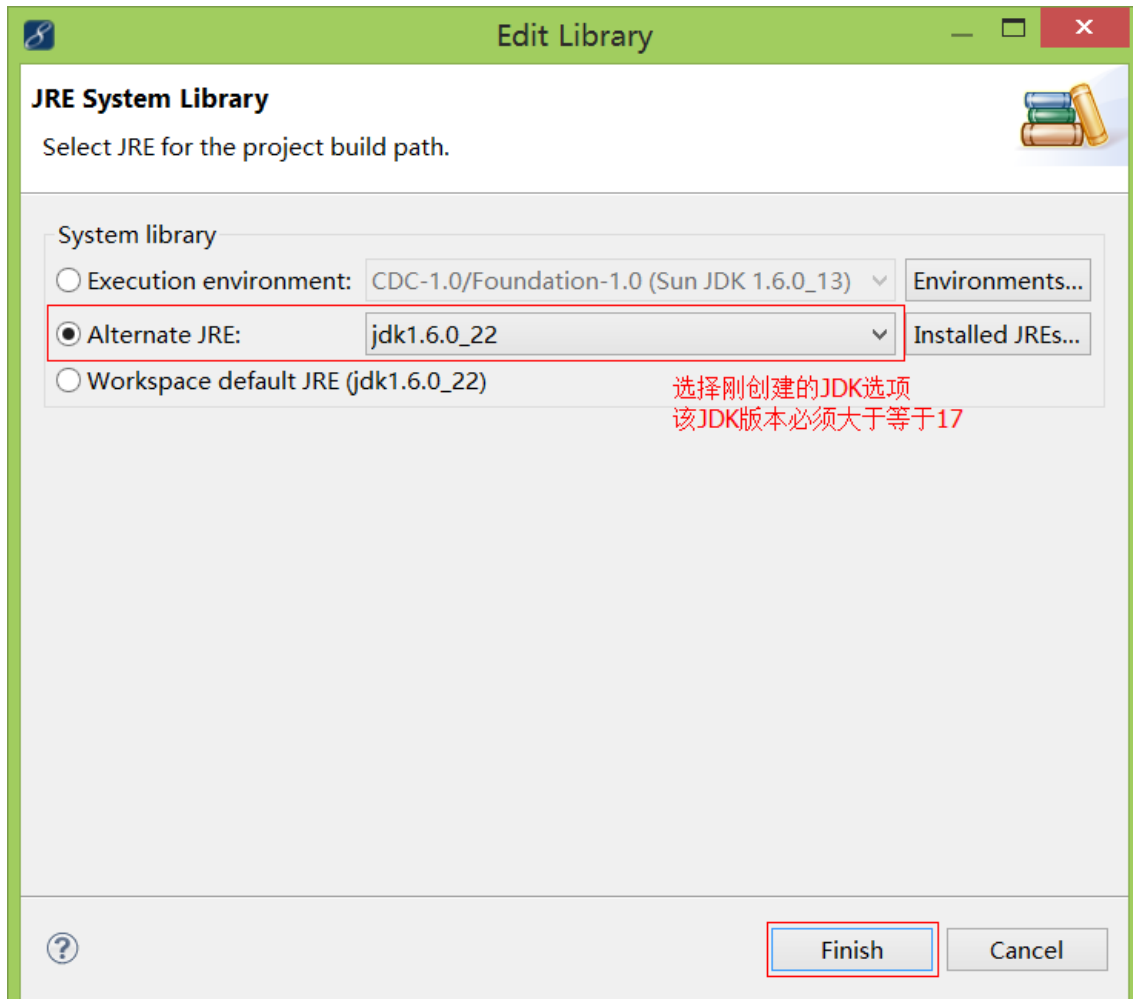
解决方法：调整该服务端项目所引用的JDK版本为安装的高版本JDK

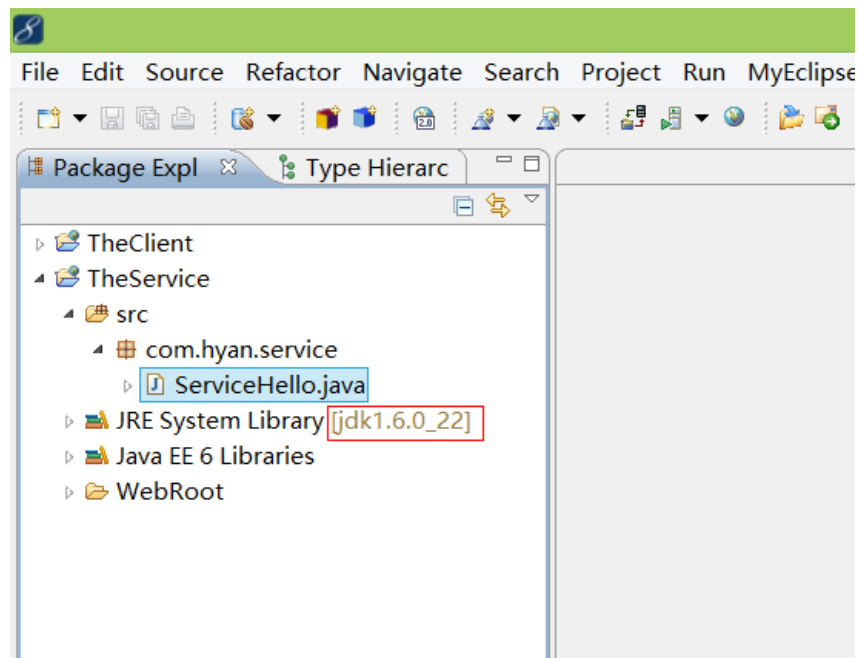






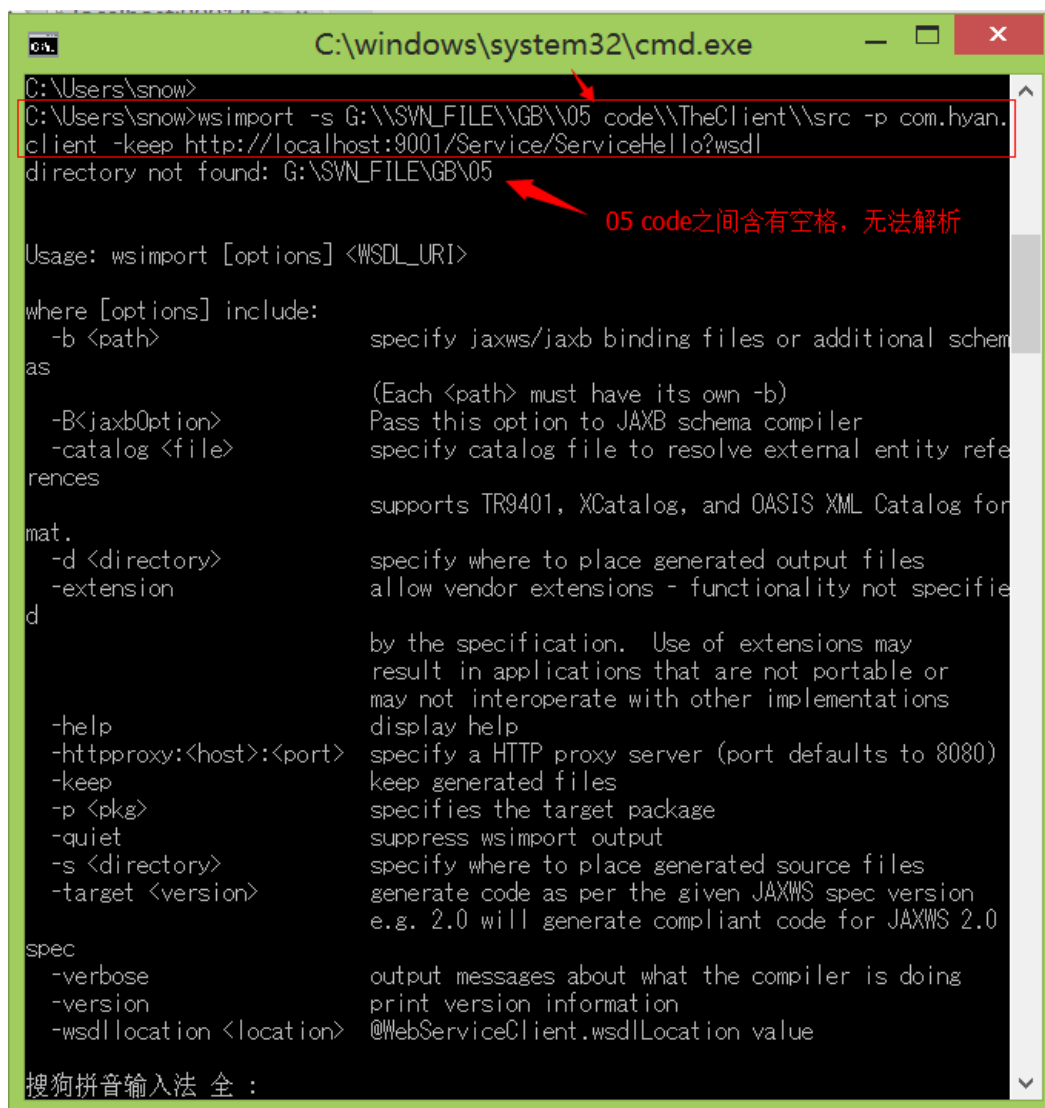






## 2、生成命令路径含空格问题

报类似如下的异常：directory not found: G:\SVN\_FILE\GB\05



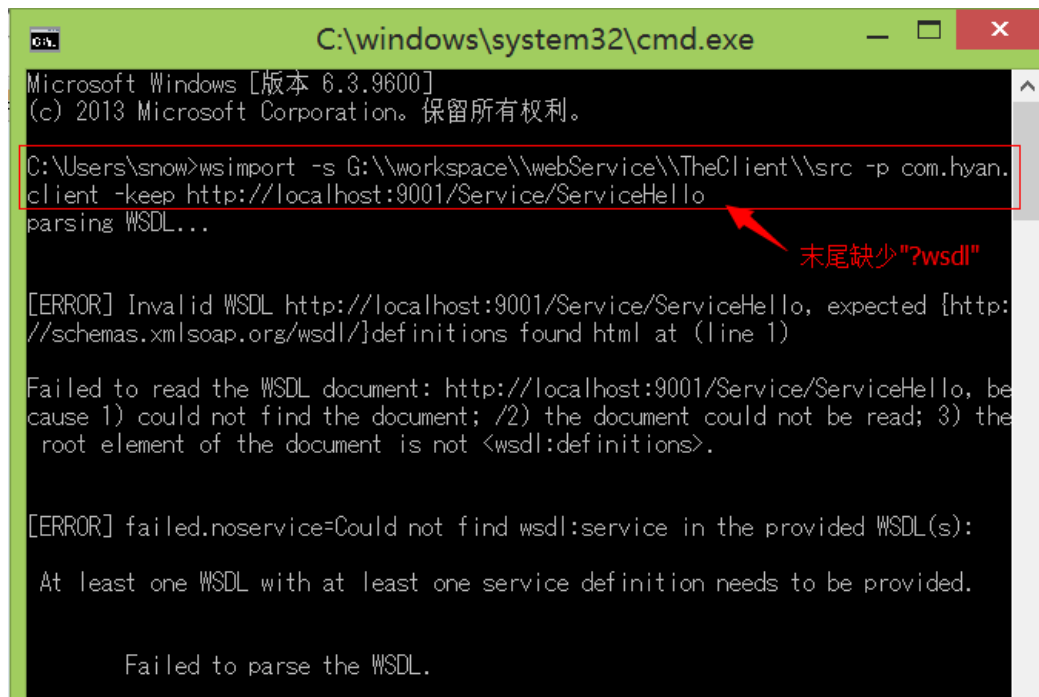
原因：客户端src路径不可含有空格

解决方法：在不含空格路径的文件夹下重新创建客户端即可。

## 3、生成命令不完整问题



报类似如下的异常：[ERROR] failed.noservice=Could not find wsdl:service in the provided WSDL(s):



```
C:\windows\system32\cmd.exe
Microsoft Windows [版本 6.3.9600]
(c) 2013 Microsoft Corporation。保留所有权利。

C:\Users\snow>wsimport -s G:\\workspace\\webService\\TheClient\\src -p com.hyan.
client -keep http://localhost:9001/Service/ServiceHello
parsing WSDL...

[ERROR] Invalid WSDL http://localhost:9001/Service/ServiceHello, expected [http:
//schemas.xmlsoap.org/wsdl/]definitions found html at (line 1)

Failed to read the WSDL document: http://localhost:9001/Service/ServiceHello, be
cause 1) could not find the document; /2) the document could not be read; 3) the
root element of the document is not <wsdl:definitions>.

[ERROR] failed.noservice=Could not find wsdl:service in the provided WSDL(s):

At least one WSDL with at least one service definition needs to be provided.

Failed to parse the WSDL.
```

原因：生成命令末尾缺少“?wsdl”

解决方法：补上即可。

错误不完整的命令示例：

```
wsimport -s G:\\workspace\\webService\\TheClient\\src -p com.hyan.client -keep
http://localhost:9001/Service/ServiceHello
```

正确完整的命令示例：

```
wsimport -s G:\\workspace\\webService\\TheClient\\src -p com.hyan.client -keep
http://localhost:9001/Service/ServiceHello?wsdl
```

六、示例源码

服务端源码 [下载](#)

客户端源码 [下载](#)