

TESTNG - PLUG WITH ECLIPSE

http://www.tutorialspoint.com/testng/testng_plug_with_eclipse.htm

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To set up TestNG with Eclipse, follow the steps given below:

Step 1: Download TestNG Archive

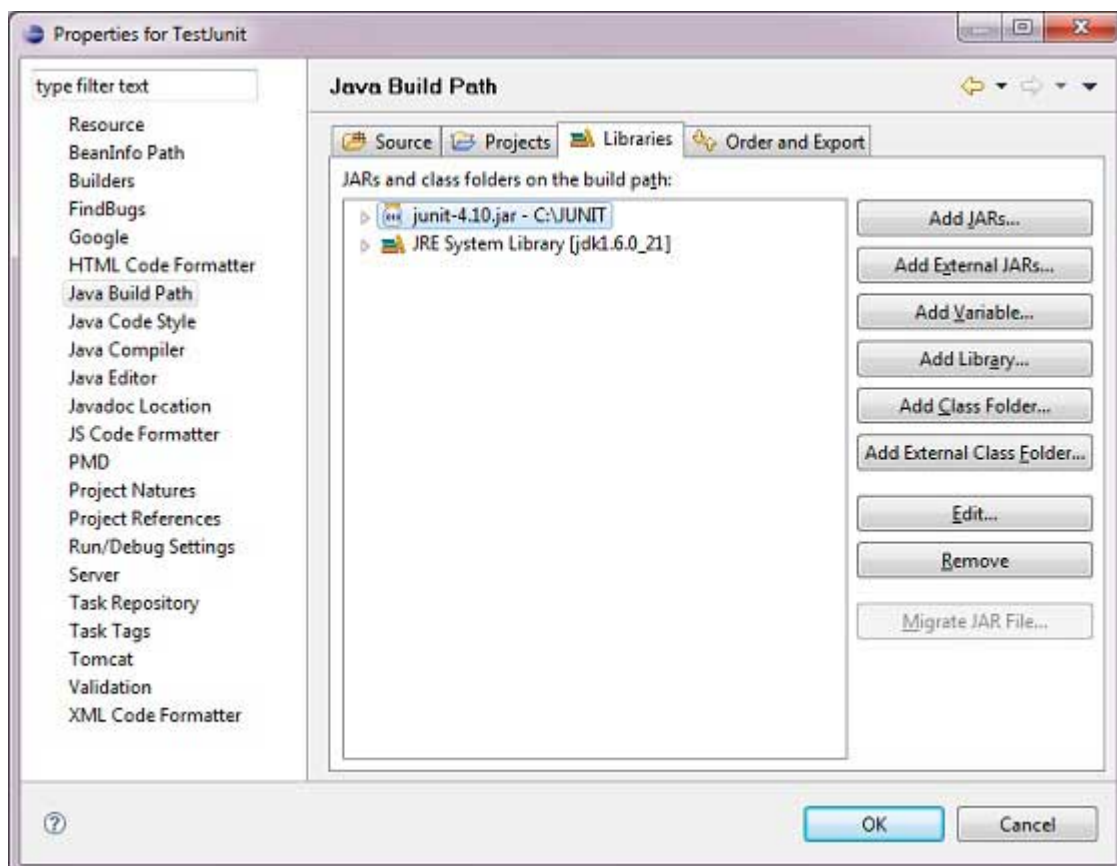
Download the latest version of TestNG jar file from www.testng.org. <http://www.testng.org>

OS	Archive name
Windows	testng-6.8.jar
Linux	testng-6.8.jar
Mac	testng-6.8.jar

We assume you have copied the above JAR file in C:\>TestNG folder.

Step 2: Set Eclipse environment

- Open eclipse -> right click on the project and go to property > Build Path > Configure Build Path and add the testng-6.8.jar in the libraries using *Add External Jar* button.



- We assume that your Eclipse has inbuilt TestNG plug-in; if it is not available, then please get the latest version using the update site.
 - In your Eclipse IDE, select *Help / Software updates / Find and Install*.
 - *Search for new features to install*.
 - *New remote site*.

- For Eclipse 3.4 and above, enter <http://beust.com/eclipse>.
- For Eclipse 3.3 and below, enter <http://beust.com/eclipse1>.
- Make sure the check box next to the URL is checked and click *Next*.
- Eclipse will then guide you through the process.

Now, your Eclipse is ready for the development of TestNG test cases.

Step 3: Verify TestNG Installation in Eclipse

- Create a project TestNGProject in Eclipse at any location.
- Create a class MessageUtil to test in the project.

```
/*
 * This class prints the given message on console.
 */

public class MessageUtil {

    private String message;

    //Constructor
    //@param message to be printed
    public MessageUtil(String message){
        this.message = message;
    }

    // prints the message
    public String printMessage(){
        System.out.println(message);
        return message;
    }
}
```

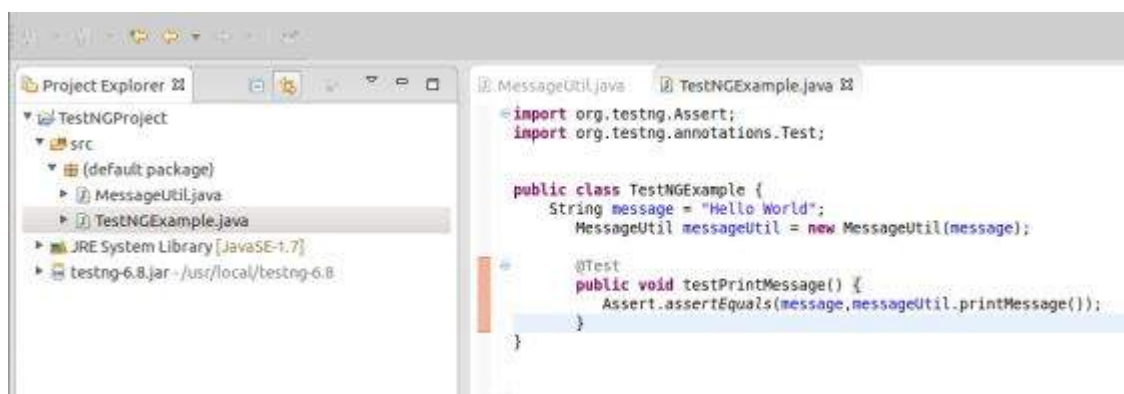
- Create a test class TestNGExample in the project.

```
import org.testng.Assert;
import org.testng.annotations.Test;

public class TestNGExample {
    String message = "Hello World";
    MessageUtil messageUtil = new MessageUtil(message);

    @Test
    public void testPrintMessage() {
        Assert.assertEquals(message, messageUtil.printMessage());
    }
}
```

The project structure should be as follows:



Finally, verify the output of the program by right clicking on the program and running as TestNG. Verify the result.

