



# Cheat Sheet – Testing Compiler Errors

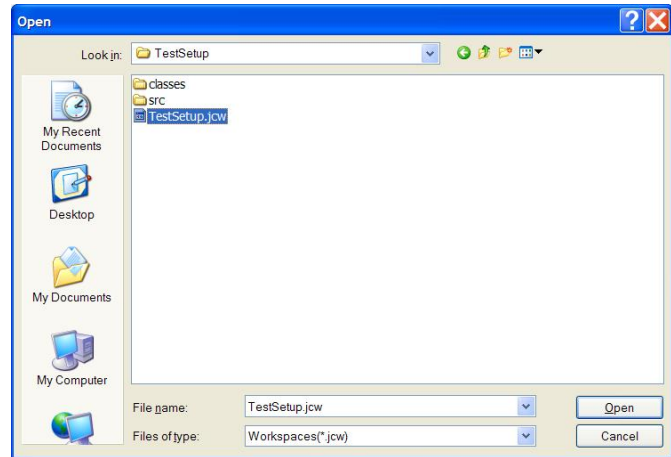
## Step 1 Open Your TestSetup Project

Start JCreator


 Go to **File > Open Workspace**

 Double-click the **TestSetup** folder, and select **TestSetup.jcw**. This is the Workspace file for your project.


 Click **Open**




## Step 2 Create a Syntax Error

 Remove the ending quotation mark from the string "Hello World!".

`System.out.println("Hello World!");`

 Compile the program by selecting **Build > Compile Project** from the JCreator main menu, or by pressing the **F7** shortcut key.

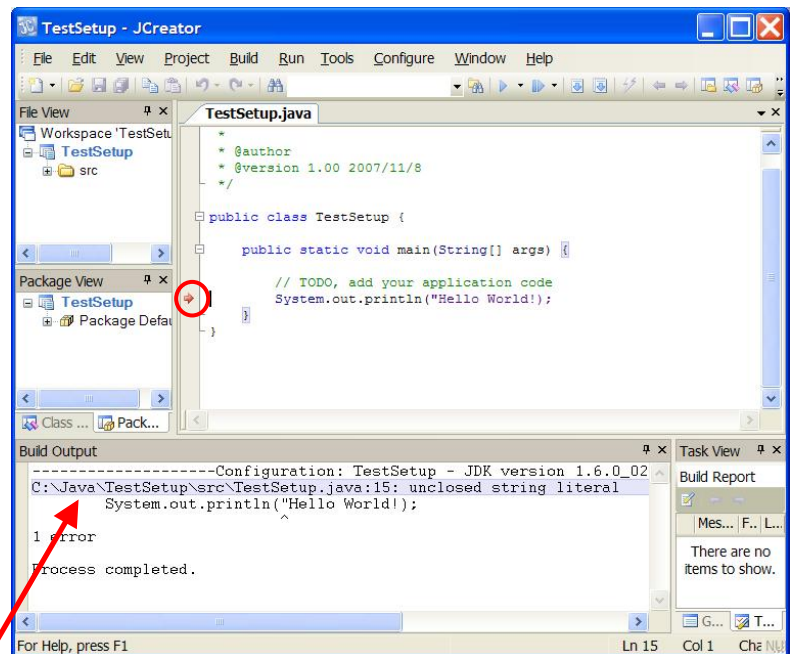
You should see a compiler error message in the Build Output pane. Note the ^ under the first quotation mark of "Hello World".

 Double-click the first message in the Build Output window to highlight it.

The line of blue text tells you that the compiler found an unclosed string on line 15. This means it was not surrounded by quotation marks on both sides.


JCreator also places a red arrow in the margin of the Code Editor, pointing out the location of the error.

 Replace the ending quotation mark in the string "Hello World!" and recompile.




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### Step 3 Create a Second Syntax Error

 Now try removing the ending semicolon from the `System.out.println` statement as shown below.


```
System.out.println("Hello World!");
```


 Select **Build > Compile Project**

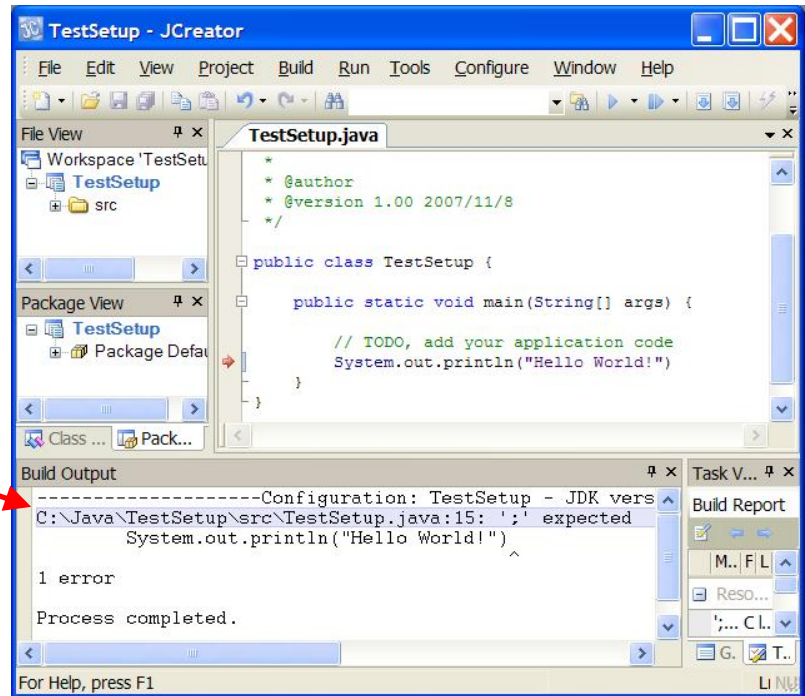
This time you will see that the compiler found this error on line 15:

```
;' expected
```


and there is a ^ marker on the next line of the error message right under the spot the semicolon should be.

 Double-clicking on the error message will place a red arrow at the location of the error.


 Replace the ending semicolon at the end of the `System.out.println` statement and recompile.




### Step 4 Create Another Syntax Error


 Remove the beginning parenthesis from your `main` method:

```
public static void main (String[] args).
```

 Select **Build > Compile Project**

Note that two errors appear in the Build Output window. Often, the first error is the real problem. Subsequent errors are reported because the compiler can't determine how to translate the rest of the line. Correcting the first error will cause both error messages to be resolved.

 Add the beginning parenthesis back to the `main` method, and recompile.

 Select **File > Close Workspace**

