Brooklyn College

# Using stdlib within Netbeans

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# Contents

Downloading stdlib	2
Setting up stdlib	3
Sample program	9
Adding stdlib to your project	10

## **Downloading stdlib**

Information can be found here:

https://introcs.cs.princeton.edu/java/stdlib/

To make sure things work with NetBeans, please download the following <u>stdlib-package.jar</u> file. This file is different than the one listed on the website.

## Setting up stdlib

You need to do this for the first time you are installing stdlib on your computer.

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Place the <u>stdlib-package.jar</u> in your Documents/NetBeansProjects folder.

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From the Tools menu, select Libraries.



#### Select to add a New Library

New Library	<b>X</b>
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Give it the name **stdlib** and then press OK.



Select the stdlib from the Libraries panel and then select Add JAR/Folder.

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Select the stdlib-package.jar file and press Add JAR/Folder.

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OK Cancel Help		OK Cancel Help	

### Press **OK**.

### That's it!

You have added the stdlib to your Global Libraries. This will allow you to add the stdlib to any project you are working on.

## Sample program

```
package righttriangle;
import edu.princeton.cs.introcs.*;
public class RightTriangle {
     public static void main(String[] args) {
           StdDraw.square(0.5, 0.5, 0.5);
           StdDraw.setPenColor(StdDraw.BLUE);
           StdDraw.line(0.5, 0.5, 0.9, 0.5);
           StdDraw.line(0.9, 0.5, 0.5, 0.8);
           StdDraw.line(0.5, 0.8, 0.5, 0.5);
           StdDraw.circle(0.7, 0.65, 0.25);
     }
}
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                                                                StdDraw.circle(0.7, 0.65, 0.25);
                                                  18
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                                                        }
                                                  20
```

Notice how there are errors on line 12-17 for StdDraw. That class is part of stdlib. We need to add that to our project.

## Adding stdlib to your project



In your project, **right click** on the **Libraries** menu and select **Add Library**.

Add Libra	iry		×
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	JAX-WS 2.2.6		
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	Spring Framework 4.0.1		
	stdlib		
	Swing Layout Extensions		
	TestNG 6.8.1	-	
	Add Library		Cancel
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Select the **stdlib** and then select **Add Library**.

Reminder that you must have an import statement to access the library methods.

## import edu.princeton.cs.introcs.\*;



The errors on 12-17 have disappeared. Now you are ready to run your project.

#### Make sure you have JDK 18 or later set for the project properties.

Ç	🔾 Project Properties - RightTriangle							
<u>C</u>	ateg	jor	ies:					
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If you have 17 or lower you will get errors when running.

Exception in thread "main"

java.lang.UnsupportedClassVersionError: edu/princeton/cs/introcs/StdDraw :

Unsupported major.minor version 52.0



The results from running your project using stdlib.