

Stacks Practice

1. Download and unzip the StacksPractice archive.
2. If you are using BlueJ double click the bluej.defs package file to open the Project.
If you use Eclipse, NetBeans, IntelliJ create a new Java Project called StacksPractice and import `Expressions.java` and `StringUtil.java` into the project.
3. Complete the following methods in the `Expressions` class
 - a. `matchParenthesis(String expression)`
 - b. `infixToPostfix(String expr)`
 - c. `evalPostfix(String expr)`and
 - a. `reverseString(String str)`
 - b. `isPalindrome(String s)`in the `StringUtil` class
4. All of the above is to be done using a `Stack`. (`import java.util.Stack`)
5. Follow the procedure discussed in class and use the comments in the code as additional guidelines.
6. Test using the `main` method in both classes.
7. Check to make sure output is separated by uniform spaces and is readable
for ex. if Infix expression is `12 + 8 * 5` output PostFix expression should be `12 8 5
* +` and not `1285 * +` or `12 8 5*+` or `12 8 5 * +`