

IT101

Java Calculator

1. Review the basic Java Calculator code from <https://www.thecrazyprogrammer.com/2014/06/program-to-create-calculator-using-java-swing.html>
2. Create a Calculator class in NetBeans and copy/paste the code from step 1.
3. Confirm that Java Calculator works properly.
4. Add two new buttons: square root and power.
 1. Where will you position them on the UI?
 2. How do you make them listen to the “click” event?
 3. Write the necessary mathematical calculation functions.
 1. Use `Math.pow()` for power (check JavaDocs for details)
 2. Use `Math.sqrt()` for square root (check JavaDocs for details)
 4. Thoroughly test the new functions (use Debugger, if necessary).
5. Add graceful exception handling for incorrect input (letters instead of numbers, empty input etc.)