To extend the functionality of the String Calculator class we must:

1. Build a test case to test that add with a negative number will throw an exception
2. Test will fail
3. Write code in the add method to pass test
4. Test passes
5. Refactor code
6. Build a test case to test that numbers greater than 1000 will be ignored
7. Test will fail
8. Write code into the add method to ignore negative numbers
9. Test passes
10. Refactor code