Inclass Assignment 4 - Calculator with SonarQube

https://github.com/onnikiv/ohjelmistotuotantoprojekti-2-TX00EY30-3007/tree/main

The code for this **inclass assignment 4** is located in the `/sonarcalculator`

☆ **otp2-inclass-assignment-4** Public   ✓ Passed

Last analysis: 2 minutes ago • **54** Lines of Code • Java

A 0	A 0	A 0	A —	○ 100%	• 0.0%
Security	Reliability	Maintainability	Hotspots Reviewed	Coverage	Duplications

Quality Gate ⓘ   Last analysis **3 minutes ago**

✓ **Passed**

⚠ The last analysis has warnings. **See details**

New Code | Overall Code

New Code **Since November 13, 2025** **Started 54 minutes ago**

New issues
0
Required = 0

Accepted issues
0   ⏲
Valid issues that were not fixed

Coverage
100%   ○
Required ≥ 80.0%
On **11** New Lines to cover.

Duplications
0.0%   •
Required ≤ 3.0%
On **122** New Lines.

Security Hotspots
0   A

✓ otp2-sonarqube-calculator ‹ 5   **Pipeline**   Changes   Tests   Artifacts   ↺   ⚙   ⊡   [Logout]   ✕

Branch: —   ⊘ 11s   Changes by onni.kivinen
Commit: —   🕐 5 minutes ago   Started by user Onni Kivinen

Start — Setup Maven ✓ — Checkout ✓ — Build ✓ — Test & Coverage ✓ — **Test** ✓ — End

Test - <1s   🔄 Restart Test ⬈ ⬇

✓	› Maven 3.9.9 — Use a tool from a predefined Tool Installation	<1s
✓	› Fetches the environment variables for a given tool in a list of 'FOO=bar' strings suitable for the withEnv step.	<1s
✓	› Tests — Print Message	<1s
✓	› Pipeline completed. — Print Message	<1s

Calculator

Element	Missed Instructions	Cov.	Missed Branches	Cov.	Missed	Cxty	Missed	Lines	Missed	Methods
● main(String[])		0%		n/a	1	1	16	16	1	1
● lambda$main$1(IllegalArgumentException)		0%		n/a	1	1	1	1	1	1
● lambda$main$0(double)		0%		n/a	1	1	1	1	1	1
● calculate(double, double, String)		100%		100%	0	5	0	6	0	1
● add(double, double)		100%		n/a	0	1	0	1	0	1
● subtract(double, double)		100%		n/a	0	1	0	1	0	1
● multiply(double, double)		100%		n/a	0	1	0	1	0	1
● divide(double, double)		100%		n/a	0	1	0	1	0	1
● Calculator()		100%		n/a	0	1	0	1	0	1
Total	71 of 123	42%	0 of 5	100%	3	13	16	27	3	9

Test Result : CalculatorTest

0 epäonnistui (±0)

9 testiä (+1)
Aikaa kului 8 ms.

✎ Lisää kuvaus

Kaikki testit

Testin nimi	Kesto	Tila
testAdd	0 ms	Passed
testCalculateAdd	0 ms	Passed
testCalculateDivide	7 ms	Passed
testCalculateMultiply	0 ms	Passed
testCalculateSubtract	0 ms	Passed
testCalculateUnknownOperation	0 ms	Passed
testDivide	1 ms	Passed