

Esecuzione mutation testing con pitest (pitclipse) sul progetto *Progetto_Testa_Testing*.

Violazioni dell'overview Console PIT Mutations PIT Summary

Pit Test Coverage Report

Project Summary

Number of Classes	Line Coverage	Mutation Coverage	Test Strength
1	100% 24/24	97% 29/30	97% 29/30

Breakdown by Package

Name	Number of Classes	Line Coverage	Mutation Coverage	Test Strength
progettosemaforo	1	100% 24/24	97% 29/30	97% 29/30

Report generated by [PIT](#) 1.6.8

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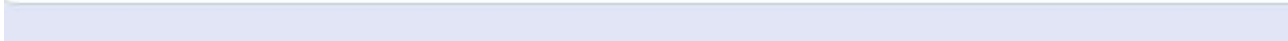
- ✓ SURVIVED (1)
 - ✓ Progetto_Testa_Code_Testing (1)
 - ✓ progettosemaforo (1)
 - ✓ progettosemaforo.Semaforo (1)
 - ✗ 17: changed conditional boundary
- ✓ KILLED (29)
 - ✓ Progetto_Testa_Code_Testing (29)
 - ✓ progettosemaforo (29)
 - ✓ progettosemaforo.Semaforo (29)
 - ✗ 17: changed conditional boundary
 - ✗ 17: changed conditional boundary
 - ✗ 17: changed conditional boundary
 - ✗ 17: negated conditional
 - ✗ 17: negated conditional
 - ✗ 17: negated conditional
 - ✗ 17: negated conditional
 - ✗ 10: negated conditional

L'unico mutante sopravvissuto è relativo ad un cambio di condizione sull'if principale di changecolor, ma i test coprono tutte le condizioni e $i \leq$.

Violazioni dell'overview Console PIT Mutations PIT Summary

- ✗ 19: negated conditional
- ✗ 19: negated conditional
- ✗ 21: replaced boolean return with false for progettosemaforo/Semaforo::changecolor
- ✗ 24: negated conditional
- ✗ 24: negated conditional
- ✗ 26: replaced boolean return with false for progettosemaforo/Semaforo::changecolor
- ✗ 31: negated conditional
- ✗ 32: negated conditional
- ✗ 32: negated conditional
- ✗ 32: negated conditional
- ✗ 34: replaced boolean return with false for progettosemaforo/Semaforo::changecolor
- ✗ 38: negated conditional
- ✗ 38: negated conditional
- ✗ 38: negated conditional
- ✗ 40: replaced boolean return with false for progettosemaforo/Semaforo::changecolor
- ✗ 43: replaced boolean return with true for progettosemaforo/Semaforo::changecolor
- ✗ 46: replaced boolean return with true for progettosemaforo/Semaforo::changecolor

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- 34: replaced boolean return with false for progettosemaforo/Semaforo::changecolor
- 38: negated conditional
- 38: negated conditional
- 38: negated conditional
- 40: replaced boolean return with false for progettosemaforo/Semaforo::changecolor
- 43: replaced boolean return with true for progettosemaforo/Semaforo::changecolor
- 46: replaced boolean return with true for progettosemaforo/Semaforo::changecolor
- 52: negated conditional
- 52: negated conditional
- 53: negated conditional
- 53: negated conditional
- 54: replaced return value with "" for progettosemaforo/Semaforo::toString



Preferences

Excluded classes (e.g.*IntTest)

Test

Excluded methods (e.g.*toString*)

Avoid calls to

java.util.logg

Extra: di default vengono controllate tutte le classi, comprese quelle di test.

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- ✱ SURVIVED (18)
 - Progetto_Testa_Code_Testing (18)
 - progettosemaforo (18)
 - progettosemaforo.Semaforo (1)
 - ✱ 17: changed conditional boundary
 - progettosemaforo.SemaforoTestMCD (15)
 - ✱ 21: removed call to org/junit/Assert::assertEquals
 - ✱ 22: removed call to org/junit/Assert::assertEquals
 - ✱ 24: removed call to org/junit/Assert::assertEquals
 - ✱ 26: removed call to org/junit/Assert::assertEquals
 - ✱ 28: removed call to org/junit/Assert::assertEquals
 - ✱ 30: removed call to org/junit/Assert::assertEquals
 - ✱ 33: removed call to org/junit/Assert::assertEquals
 - ✱ 36: removed call to org/junit/Assert::assertEquals
 - ✱ 39: removed call to org/junit/Assert::assertEquals
 - ✱ 42: removed call to org/junit/Assert::assertEquals
 - ✱ 45: removed call to org/junit/Assert::assertEquals

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- ✱ 45: removed call to org/junit/Assert::assertEquals
- ✱ 47: removed call to org/junit/Assert::assertEquals
- ✱ 49: removed call to org/junit/Assert::assertEquals
- ✱ 52: removed call to org/junit/Assert::assertEquals
- ✱ 59: removed call to org/junit/Assert::assertEquals
- progettosemaforo.SemaforoTest_Parametrized (2)
 - ✱ 16: replaced return value with Collections.emptyList for progettosemaforo/SemaforoTest_Parametrized::data
 - ✱ 45: removed call to org/junit/Assert::assertEquals
- ✱ KILLED (29)
 - Progetto_Testa_Code_Testing (29)
 - progettosemaforo (29)
 - progettosemaforo.Semaforo (29)
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Violazioni dell'overview

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Project Summary

Number of Classes	Line Coverage	Mutation Coverage	Test Strength
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Breakdown by Package

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