**Generation of test cases without 60sec time limit**

Nandhinis-Air:randoop-4.0.4 nandhini$ java -classpath .:./activemq-all-5.15.4.jar:./randoop-all-4.0.4.jar randoop.main.Main gentests --classlist=activemqclasses.txt --flaky-test-behavior=DISCARD --time-limit=60 –usethreads

**Output Generated**

WARNING: An illegal reflective access operation has occurred

WARNING: Illegal reflective access by randoop.util.Randomness (file:/Users/nandhini/Downloads/randoop-4.0.4/randoop-all-4.0.4.jar) to field java.util.Random.seed

WARNING: Please consider reporting this to the maintainers of randoop.util.Randomness

WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations

WARNING: All illegal access operations will be denied in a future release

Ignoring interface org.apache.activemq.transport.TransportListener specified via --classlist or --testclass; provide classes, not interfaces.

Error: No class with name "org.fusesource.mqtt.client.BlockingConnection" found on the classpath

More specifically, none of the following files could be found:

./org/fusesource/mqtt/client/BlockingConnection.class

org/fusesource/mqtt/client/BlockingConnection.class in ./activemq-all-5.15.4.jar

org/fusesource/mqtt/client/BlockingConnection.class in ./randoop-all-4.0.4.jar

Correct your classpath or the class name and re-run Randoop.

Nandhinis-Air:randoop-4.0.4 nandhini$ vi activemqclasses.txt

Nandhinis-Air:randoop-4.0.4 nandhini$ java -classpath .:./activemq-all-5.15.4.jar:./randoop-all-4.0.4.jar randoop.main.Main gentests --classlist=activemqclasses.txt --flaky-test-behavior=DISCARD --time-limit=60 --usethreads

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Ignoring interface org.apache.activemq.transport.TransportListener specified via --classlist or --testclass; provide classes, not interfaces.

Ignoring interface org.apache.activemq.broker.Broker specified via --classlist or --testclass; provide classes, not interfaces.

Ignoring interface org.apache.activemq.broker.BrokerPlugin specified via --classlist or --testclass; provide classes, not interfaces.

PUBLIC MEMBERS=878

Explorer = randoop.generation.ForwardGenerator(allSequences.size()=0,observers.size()=0,subsumed\_sequences.size()=0,runtimePrimitivesSeen.size()=38)

Progress update: steps=1, test inputs generated=0, failing inputs=0 (Thu Jun 28 16:36:49 PDT 2018)

WARN | Failed to connect to [tcp://localhost:61616] after: 10 attempt(s) continuing to retry.

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Progress update: steps=561, test inputs generated=231, failing inputs=1 (Thu Jun 28 16:37:49 PDT 2018)

Normal method executions: 1705

Exceptional method executions: 33

Average method execution time (normal termination): 0.797

Average method execution time (exceptional termination): 0.507

Error-revealing test output:

Error-revealing test count: 1

Writing JUnit tests...

Created file /Users/nandhini/Downloads/randoop-4.0.4/ErrorTest0.java

Created file /Users/nandhini/Downloads/randoop-4.0.4/ErrorTest.java

Regression test output:

Regression test count: 121

Writing JUnit tests...

Created file /Users/nandhini/Downloads/randoop-4.0.4/RegressionTest0.java

Created file /Users/nandhini/Downloads/randoop-4.0.4/RegressionTest.java

Invalid tests generated: 0

**Compiling Regression test**

javac -cp junit-4.12.jar:.:./activemq-all-5.15.4.jar RegressionTest.java

**Running Regression test**

Nandhinis-Air:randoop-4.0.4 nandhini$ java -cp .:junit-4.12.jar:hamcrest-core-1.3.jar:./activemq-all-5.15.4.jar org.junit.runner.JUnitCore RegressionTest

JUnit version 4.12

.........................................................................................................................

Time: 1.435

OK (121 tests)

**Compiling Error test**

Nandhinis-Air:randoop-4.0.4 nandhini$ javac -cp junit-4.12.jar:.:./activemq-all-5.15.4.jar ErrorTest.java

**Running Error test**

Nandhinis-Air:randoop-4.0.4 nandhini$ java -cp .:junit-4.12.jar:hamcrest-core-1.3.jar:./activemq-all-5.15.4.jar org.junit.runner.JUnitCore ErrorTest >>/tmp/activemqerrorrevealingtest.txt

JUnit version 4.12

.E

Time: 0.05

There was 1 failure:

1) test1(ErrorTest0)

java.lang.NullPointerException

at org.apache.activemq.openwire.OpenWireFormat.getFromUnmarshallCache(OpenWireFormat.java:545)

at ErrorTest0.test1(ErrorTest0.java:16)

at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke0(Native Method)

at java.base/jdk.internal.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)

at java.base/jdk.internal.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)

at java.base/java.lang.reflect.Method.invoke(Method.java:564)

at org.junit.runners.model.FrameworkMethod$1.runReflectiveCall(FrameworkMethod.java:50)

at org.junit.internal.runners.model.ReflectiveCallable.run(ReflectiveCallable.java:12)

at org.junit.runners.model.FrameworkMethod.invokeExplosively(FrameworkMethod.java:47)

at org.junit.internal.runners.statements.InvokeMethod.evaluate(InvokeMethod.java:17)

at org.junit.runners.ParentRunner.runLeaf(ParentRunner.java:325)

at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:78)

at org.junit.runners.BlockJUnit4ClassRunner.runChild(BlockJUnit4ClassRunner.java:57)

at org.junit.runners.ParentRunner$3.run(ParentRunner.java:290)

at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:71)

at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:288)

at org.junit.runners.ParentRunner.access$000(ParentRunner.java:58)

at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:268)

at org.junit.runners.ParentRunner.run(ParentRunner.java:363)

at org.junit.runners.Suite.runChild(Suite.java:128)

at org.junit.runners.Suite.runChild(Suite.java:27)

at org.junit.runners.ParentRunner$3.run(ParentRunner.java:290)

at org.junit.runners.ParentRunner$1.schedule(ParentRunner.java:71)

at org.junit.runners.ParentRunner.runChildren(ParentRunner.java:288)

at org.junit.runners.ParentRunner.access$000(ParentRunner.java:58)

at org.junit.runners.ParentRunner$2.evaluate(ParentRunner.java:268)

at org.junit.runners.ParentRunner.run(ParentRunner.java:363)

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at org.junit.runners.ParentRunner.run(ParentRunner.java:363)

at org.junit.runner.JUnitCore.run(JUnitCore.java:137)

at org.junit.runner.JUnitCore.run(JUnitCore.java:115)

at org.junit.runner.JUnitCore.runMain(JUnitCore.java:77)

at org.junit.runner.JUnitCore.main(JUnitCore.java:36)

FAILURES!!!

Tests run: 1, Failures: 1