

# java-examples (0.0.1)

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Travis CI status: [\[Build Status\]](#)

# Chapter 1. Introduction

in progress...

Read [project reference documentation](#)

*build*

```
# maven jar
./mvnw clean package
java -jar target/*-all.jar

# maven docker / docker-compose
./mvnw com.dkanejs.maven.plugins:docker-compose-maven-plugin:1.0.1:up -P docker
./mvnw com.dkanejs.maven.plugins:docker-compose-maven-plugin:1.0.1:down -P docker

# gradle jar
./gradlew
java -jar ./build/libs/*-all.jar

# gradle install script
./gradlew clean installDist
./build/install/java-examples/bin/java-examples

# gradle distribution
./gradlew clean distZip
unzip -o ./build/distributions/java-examples-0.0.1.zip -d /tmp
bash /tmp/java-examples-0.0.1/bin/java-examples

# gradle docker / docker-compose
./gradlew clean build composeUp
./gradlew composeDown
```

Initially generated by using [generator-jvm](#) yeoman generator (java)

# Chapter 2. Implementation

## 2.1. predicate (java 7 API):

*impl*

```
public class Java7Predicate {

    public interface MyPredicate {
        boolean test(final String value);
    }

    @RequiredArgsConstructor
    public static class Is implements MyPredicate {
        final String value;

        @Override
        public boolean test(String value) {
            return value != null && value.contains(this.value);
        }
    }

    public static class IsRed implements MyPredicate {
        @Override
        public boolean test(final String value) {
            return nonNull(value) && value.toLowerCase().contains("red");
        }
    }

    public static void sideEffect(final MyPredicate predicate) {
        final List<String> list = Arrays.asList("ololo", "trololo", "red", "blue",
"green", "red devil");
        for (String i : list) {
            if (predicate.test(i)) {
                System.out.println("i = " + i);
            }
        }
    }
}
```

```
@Slf4j
@CaptureSystemOutput
@DisplayName("test predicate API: java 7")
class Java7PredicateTest {

    @Test
    @DisplayName("test positive")
    void testPredicate(final CaptureSystemOutput.OutputCapture outputCapture) {

        assertAll(() -> {

            sideEffect(new Java7Predicate.IsRed());
            Assertions.assertThat(outputCapture.toString())
                .contains("i = red", "i = red devil");

            sideEffect(new Java7Predicate.Is("green"));
            Assertions.assertThat(outputCapture.toString()).contains("t = green");
        });
    }
}
```

# Chapter 3. Links

- [GitHub repo](#)
- [GitHub pages](#)