Java

In this lesson, you will be provided with the basic application image for Java.

Result

The resulting image is published as *learnbook/java*. You can run a container from it with the following command:

```
docker run --rm learnbook/java
```

Files

> You can find these files in the *code/common-development-profiles/demos/java* folder.

Simple Java source code:

Hello.java

```java
class Hello{
  public static void main(String[] args) {
    System.out.println("I'm Java running in a container.");
  }
}
```

Docker image definition:

Dockerfile

```dockerfile
# Use an image with the SDK for compilation
FROM openjdk:8-jdk-alpine AS builder
WORKDIR /out
# Get the source code inside the image
COPY *.java .
# Compile source code
RUN javac Hello.java

# Create a lightweight image
FROM openjdk:8-jre-alpine
# Copy compiled artifacts from previous image
COPY --from=builder /out/*.class .
CMD ["java", "Hello"]
```

Let's look at another image in the next lesson.