

# Java

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

## WE'LL COVER THE FOLLOWING ^

- Result
- Files

## 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

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



Docker image definition:

## 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"]
```



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