**Override ENTRYPOINT with docker run**

To illustrate how to override this command, we are going to run a container that echoes the message <strong>Hello World</strong> by combining ENTRYPOINT and CMD in the Dockerfile.

In the Dockerfile, the <strong>ENTRYPOINT</strong> command defines the executable, while <strong>CMD</strong> sets the default parameter.

FROM ubuntu

MAINTAINER sofija

RUN apt-get update

ENTRYPOINT [“echo”, “Hello”]

CMD [“World”]

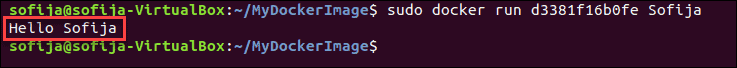
If you build an image from this file and use it to run a Docker container, the output displays:

Docker ENTRYPOINT vs CMD instructions combined.

You can easily override the default CMD by adding the desired parameter to the **docker run** command:

sudo docker run [container\_name] [new\_parameter]

In the example below, we changed the CMD parameter <strong>World</strong>, by adding <strong>Sofija</strong> to the command. As a result, the output displays <strong>Hello Sofija</strong>.



However, you may want to override the default executable and, for instance, run a shell inside a container. In that case, you need to use the <strong>--entrypoint</strong> flag and run the container using the following syntax:

sudo docker run --entrypoint [new\_command] [docker\_image] [optional:value]

To override the default echo message in our example and run the container interactively, we use the command:

sudo docker run -it --entrypoint /bin/bash [docker\_image]

The output shows us we are now inside the container.

