

Exercise Solution

In this lesson, we will go over the step-by-step solution for the exercise: Enable an Image to Be Parameterized.

- Create a file named *Dockerfile* and add the following code to it:

```
FROM node:11-alpine

ENV diameter=4.0

COPY compute.js .

CMD node compute.js
```



- Open a command-line. Change the current directory to the directory where you created the *Dockerfile* and the *compute.js* file.
- Run the following command:

```
docker build -t jsparam .
```



- Once the image has been built, run the following commands:

```
docker run --rm jsparam
docker run --rm -e diameter=5.0 jsparam
```



- You can see an output similar to this one:

```
C:\>docker run --rm jsparam
Area of a 2 cm radius disk:
12.566370614359172 cm2

C:\>docker run --rm -e diameter=5.0 jsparam
Area of a 2.5 cm radius disk:
19.634954084936208 cm2
```

In the next lesson, we will look at a special type of storage.