

Exercise: Enable an Image to Be Parameterized

Test yourself and implement what you have learned so far in this exercise.



In the [create-docker-images/exercises/jsparam/starter](#) folder you'll find a *compute.js* file with the following code:

```
var radius = process.env.diameter / 2;
var area = Math.pow(radius, 2) * Math.PI;
console.log(
  `Area of a ${radius} cm radius disk:
  ${area} cm²`
);
```



It's a modified version of the code from the previous exercises. It expects a *diameter* environment variable to be available and displays the area of a disk for that given diameter. Create a Docker image that runs this code using the *node:11-alpine* image that contains Node.JS. Run two containers with different values for the diameter.

The source code for the solution can be found in the [create-docker-images/exercises/jsparam/solution](#) folder.

Let's go over the solution in the next lesson.

