

Exercise: Build an Image and Run It

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



Create a file named *compute.js* with the following code that computes and displays the area of a disk using JavaScript:

```
var radius = 2.0;
var area = Math.pow(radius, 2) * Math.PI;
console.log(
  `Area of a ${radius} cm disk:
  ${area} cm²`
);
```



Create a Docker image that runs this code using the *node:11-alpine* image that contains Node.JS. The command that runs a JavaScript program using Node.JS is `node <filename>`.

You may find the source code for the *compute.js* file in the [create-docker-images/exercises/jsimage/starter](#) folder, and the source code for the solution in the [create-docker-images/exercises/jsimage/solution](#) folder.

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