Java Script

This exercise consists of a couple of small JS programs. Tests are included, so you can check if your Program does what is should do.

How to get the exercises running – the explanation is valid for our terminal server, I will try answer questions how to run it on your pc but no promises (you will need node installed).

First unzip to a folder e.g. exercise-13, then open a terminal in that folder (where package.json is located and run
npm install

It should download some dependencies. Now switch to the folder A_helloWorld and run
npm test helloWorld.spec.js

this sould lead to an Error – now fix the code by returning what is needed, open the helloWorld.js file and also the helloWorld.spec.js – there you can see what is expected. Change the function so it returns the correct value and run again (in the console)
npm test helloWorld.spec.js

now the tests should pass.

You will find such a file in all the different exercises, some tests are disabled, so you can run them one by one. Change the test.skip to test to enable them. All tests need to run, no skipped tests in your submission!

A_helloWorld
Merely to get used to how to run the tests.

B_repeatString
This function takes a String and a number and repeats the string n times
```
repeatString('hey', 3) // returns 'heyheyhey'
```

check out this:
https://developer.mozilla.org/de/docs/Web/JavaScript/Guide/Loops_and_iteration

C_sumAll
Implement a function that takes 2 integers and returns the sum of every number between(and including) them.
```
sumAll(1, 4) // returns the sum of 1 + 2 + 3 + 4 which is 10
```

D_calculator
Implement the functions, check the tests what is expected (especially for the sum and multiply. If you are stuck read here
https://developer.mozilla.org/de/docs/Web/JavaScript/Guide/Indexed_collections#array_obj
ect

E_palindrom

Implement a palindrom detector that returns true if it is a palindrome. Check out the tests to see what is considered as part of the palindrom and what not (e.g. spaces and exclamation marks are ignored,..)

```
palindromes('racecar') // true
palindromes('tacos') // false
```

hint you can split a String in an array by using .split() and you can access a Single character of a String like an array.

For those who are done: continue on jshero!