

# Exercise 13: Returning from a Function

Let's test your ability to return data from a function.

## We'll cover the following ^

- Problem Statement
  - Input
  - Output
  - Sample Input
  - Sample Output
  - Test Yourself

## Problem Statement #

Implement a function `evenOdd` that takes a `vector` of numbers as input and returns a `vector` where each element of the output vector has the string “even” or “odd” depending on the corresponding element of the input `vector`.

## Input #

A `testVariable` containing the `vector` to be tested.

## Output #

A `vector` where each element is either “even” or “odd” depending on the state of the corresponding element of the input `testVariable` vector.

## Sample Input #

```
testVariable <- c(78, 100, 2)
```

## Sample Output #

```
"even" "even" "even"
```

## Test Yourself #

Write your code in the given area. If you get stuck, you can look at the solution.

```
evenOdd <- function(testVariable)
{
  output <- vector("character", 0) # initializing an empty character vector
  # Write your code here
  return(output)
}
```



In the next lesson, we have a solution review for this exercise.