

Module 3 – Functions

Functions as first-class citizens and
Higher Order functions

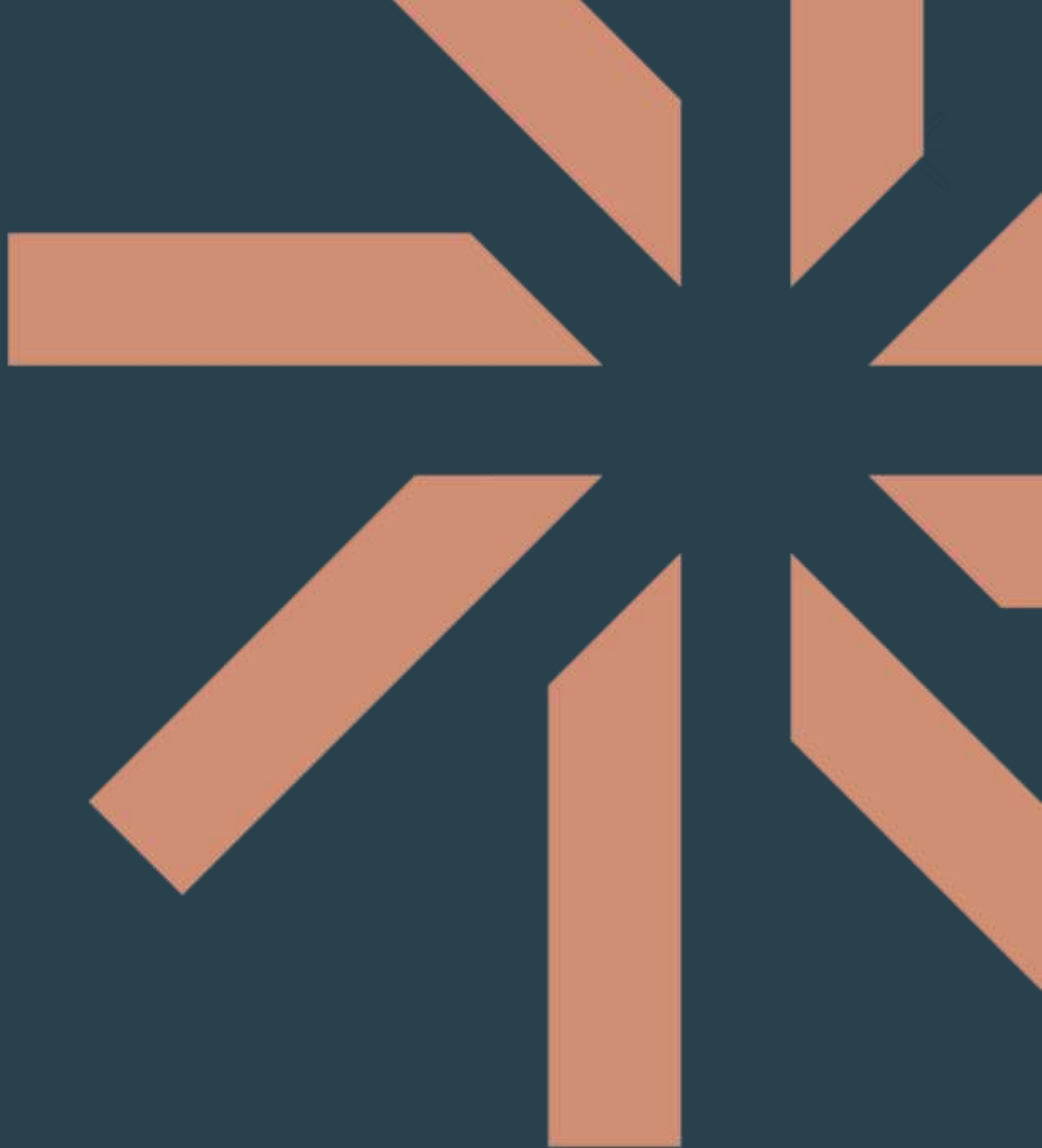
From last class

- Why were functions useful?
- What are anonymous functions?
- What are arrow functions?
- When do we call self invoked functions?
- What is recursion?
- What is the difference between function and block scope?



Class plan

- Functions as first-class citizens
 - Functions as parameters
 - Functions as return
 - Functions in variables
- Arguments
- Higher order functions
 - Filter
 - Map
 - Reduce
 - Sort



Functions as first-class citizens



- Function can be used as any other entity
- Can be used as a parameter or return
- Can be used as an object
- Can be stored in a variable

Higher order functions



- Functions that accept other functions as a parameter
- These functions execute some complex logic
- We can chain higher order functions to build more complex logic



Questions?