

LECTURE 15

FUNCTIONS AS VALUES & LAMBDA

MCS 260 Fall 2020

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REMINDERS

- Quiz 5 is due today
- Work on Project 2, due Oct 9

LIVE CODING

A UNARY CALCULATOR REPL

- Design document - 10am lecture
- Code - 10am lecture
- Design document - 2pm lecture
- Code - 2pm lecture

LIVE CODING

A UNARY CALCULATOR REPL

RECAP

- Functions are values in Python, just like float, int, etc.
- Functions can be assigned to variables, used as parameters, stored in lists, used as keys or values
- Dictionary mapping string to function can be used for handlers
- `sys.exit()` exits program immediately
- `lambda vars: retval` defines an anonymous function
- Don't use `lambda` for complicated functions
- Assigning to a return value is a good way to handle functions that need to change vars outside of their scope

REVISION HISTORY

- 2020-09-26 Initial publication

