Functions

Function Definition

- **Name of function in pothole_case**
- **Zero or more parameters, comma-separated**
- **def keyword**
- **One or more statements, indented 4 spaces**
Function Definition

def: a keyword indicating a function definition

«function_name»

the function name, always in pithole_case

«parameters»

the parameter(s) of the function, 0 or more

a comma-separated list of variables whose values will be supplied when
the function is called

«body»

one or more statements, often ending with a return statement

all body statements must be indented the same amount, usually 4 spaces

Return Statement

Form:

return «expression»

How it’s executed:

Evaluate the expression. This produces a value (which has a memory
address).

Exit the function and produce that value to the caller.
Function Call

The rules for executing a function call:

Evaluate the arguments. These produce values. Each value has a memory address.

Assign those values to the parameters. This stores the memory addresses of the values in the parameters.

Pause the current statement and execute the body of the function.