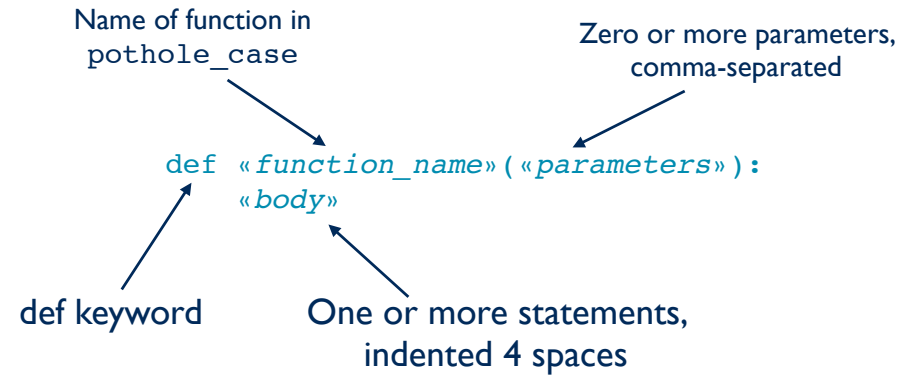


Functions

Function Definition



Function Definition

`def`: a keyword indicating a function definition

`«function_name»`

the function name, always in `pothole_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

Name of function
being called

Zero or more expressions,
comma-separated

«*function_name*» («*arguments*»)



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.