

Def
Learn_Functions:

Defining a Function

- Create it
- def stands for “define”
- Words in () are parameters

```
def functionName(parameter):  
    stuff to do
```

Calling a Function

- Use the function you've created
- Words in () are arguments
- Positional arguments:
 - Multiple arguments must go in the same order as the parameters

functionName(argument)

global vs. local

global

- Outside the function
- Accessible to all parts of the code

local

- Inside a function
- Accessible only to the function

lambda functions

- Another way to create functions

lambda parameter1, parameter2 : things to do with parameters

map() and filter()

- Both iterate over a list with lambda
- map() lists all the results out
- filter() only includes those that are True

Steps for map() and filter()

- Create a list(s) – one for each parameter
- Write a lambda function
- Call map() or filter() with the list names as arguments
- Use list() to convert the object to a list
- Print your list