# define a function with no arguments and no return values

**def** print\_text():

**print**('this is text')

# call the function

print\_text()

# define a function with one argument and no return values

**def** print\_this(x):

**print**(x)

# call the function

print\_this(3) # prints 3

n = print\_this(3) # prints 3, but doesn't assign 3 to n

# because the function has no return statement

# define a function with one argument and one return value

**def** square\_this(x):

**return** x \*\* 2

# include an optional docstring to describe the effect of a function

**def** square\_this(x):

"""Return the square of a number."""

**return** x \*\* 2

# call the function

square\_this(3) # prints 9

var = square\_this(3) # assigns 9 to var, but does not print 9

# default arguments

**def** power\_this(x, power=2):

**return** x \*\* power