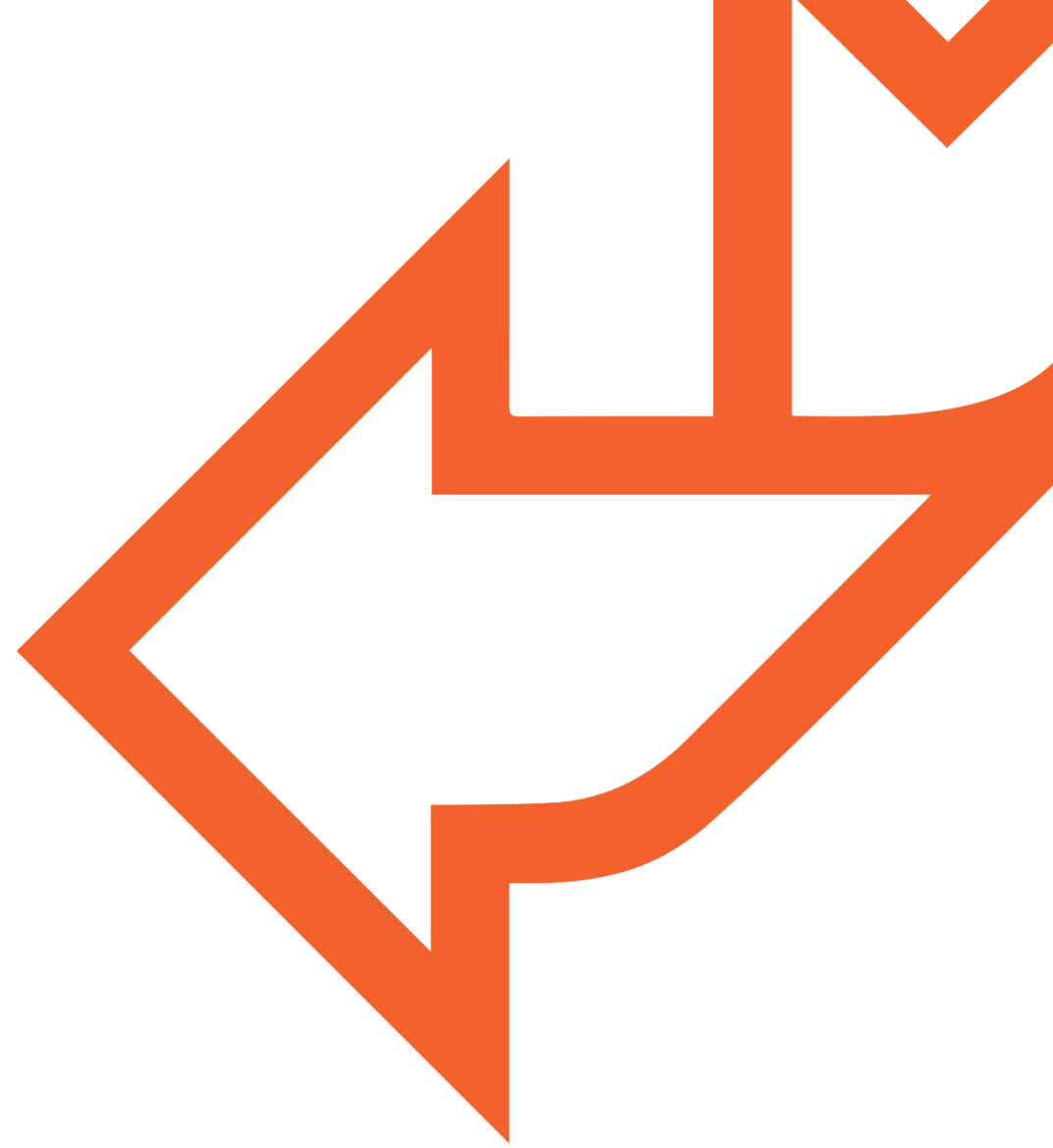




# User-defined Functions





# PYTHON FUNCTIONS

In this chapter you'll learn how to:

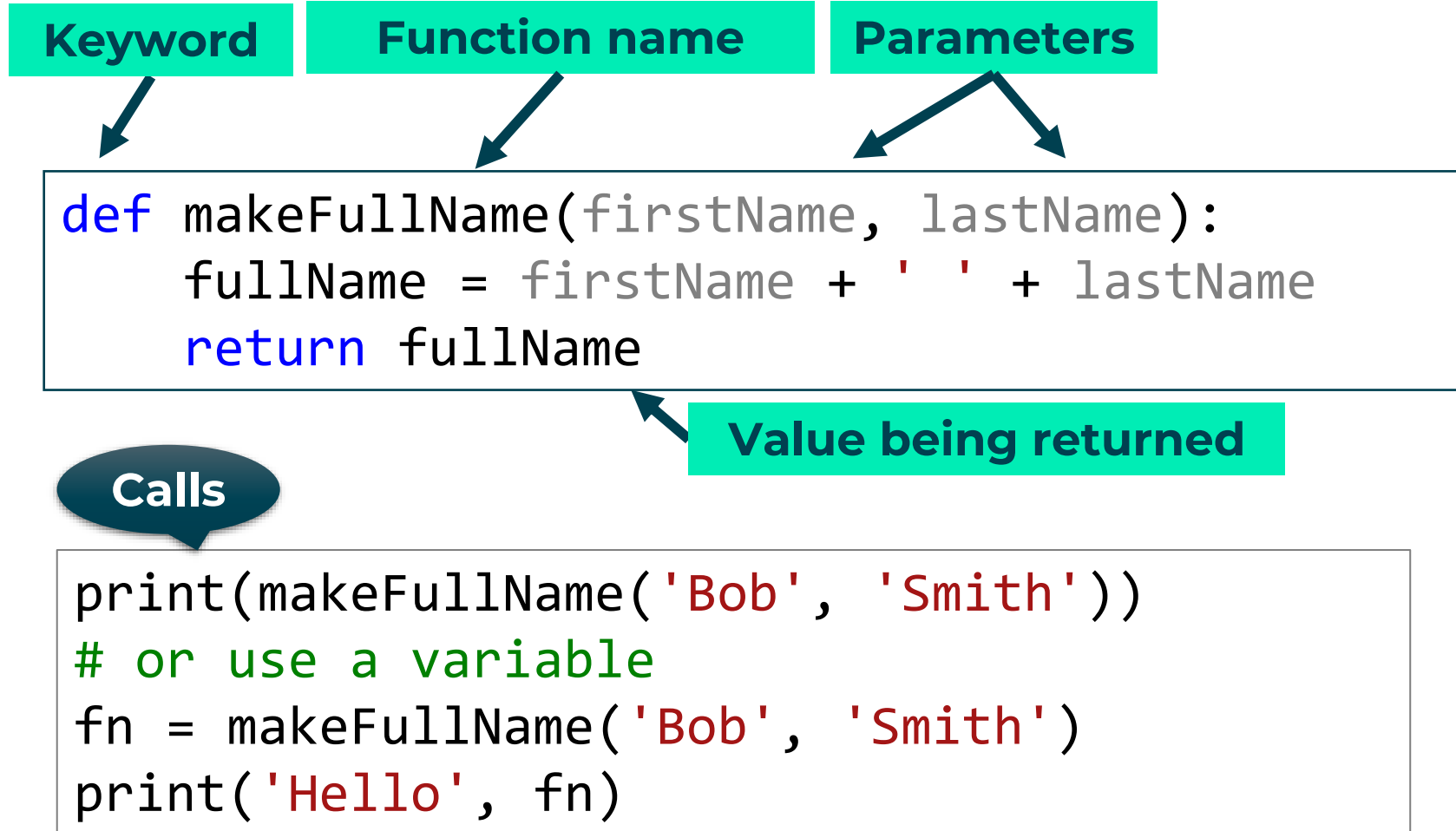
- Write a user defined function in Python
- Define Parameters for such functions
- Return a value



# Python Functions

- **You've seen a few Built-in functions in the previous chapter**
  - print, input, number & string functions
- **Library functions**
  - `math.min()`, `math.max()`, `statistics.median()`
- **User defined functions**
  - Functions we write ourselves

# QA User-defined functions Syntax





# Examples – No return value

```
def add(a,b):  
    print (a+b)
```

```
def priceIncVAT(price):  
    print ( price * 1.2)
```

```
#----- Main program -----
```

```
add(2,3)
```

```
priceIncVAT(100)
```



*Define  
the  
functions  
first*

```
5  
120.0  
Press any key to  
continue ...
```



# Examples – Returning a value

```
def add(a,b):  
    return a+b
```

```
def getPriceIncVAT(price):  
    return price * 1.2
```

```
#----- Main program -----  
print( add(2,3) )
```

```
price = getPriceIncVAT(100)  
print(price)
```

```
5  
120.0  
Press any key to  
continue ...
```



# PYTHON FUNCTIONS

In this chapter you learned how to:

- Write a user defined function in Python
- Define Parameters for such functions
- Return a value





## **Exercise**

- **Please see your Exercise Guide**
- **06-User-defined Functions.docx**





## FURTHER READING

- <https://www.python.org/>
- [https://www.tutorialspoint.com/python/python\\_strings.htm](https://www.tutorialspoint.com/python/python_strings.htm)
- <https://docs.python.org/3/tutorial/index.html#tutorial-index>

