



## Chapter 3

# The Basics of Python

### Main takeaways of this chapter

- ★ Type *python* in a terminal to access the Python console and quickly test anything.
- ★ Python scripts ends with the ".py" extension.
- ★ Display text: *print("Your text")*
- ★ Run a script: *python yourscrip.py* or *python3 yourscrip.py*
- ★ Use variables to store information and concatenation to improve display:

```
var_text="The current temperature is "  
var_temp=70  
print(var_text+var_temp)
```

- ★ Conditions help to execute a different code depending on some criteria:

```
if light == "Red":  
    print("Stop");  
elif light == "Orange":  
    print("Cross only if unable to stop");  
else:  
    print("Move");
```

### Action steps

- Test the Python console.
- Create a simple script in your editor and try to display random text.
- Improve it with variables and run it from a terminal.
- Then display different text depending on a variable value (text and number).
- Do the exercise given in the book.