### Exercise 1.1: Getting Started with Python

1. In your own words, what is the difference between frontend and backend web development? If you were hired to work on backend programming for a web application, what kinds of operations would you be working on?

Frontend development is about creating interface that users see and interact with. Backend development is about background operation on such as server, APIs, database and business logic for interacting with database.

1. Imagine you’re working as a full-stack developer in the near future. Your team is asking for your advice on whether to use JavaScript or Python for a project, and you think Python would be the better choice. How would you explain the similarities and differences between the two languages to your team? Drawing from what you learned in this Exercise, what reasons would you give to convince your team that Python is the better option?

*(Hint: refer to the Exercise section “The Benefits of Developing with Python”)*

Both JavaScript and Python are high-level scripting language and they both uses dynamic typing. The main benefits of using Python is its readability, making it easier to perform debugging and helps to keep the code error-resistant. Another advantage is that Python comes with some built-in modules and pre-installed web operations such as URL routing and form handling.

1. Now that you’ve had an introduction to Python, write down 3 goals you have for yourself and your learning during this Achievement. You can reflect on the following questions if it helps you. What do you want to learn about Python? What do you want to get out of this Achievement? Where or what do you see yourself working on after you complete this Achievement?

* I want to learn how Python is used in various situations, like how it works with other programming languages as well as its libraries and frameworks.
* I want to master how to write clean and organized code using Object Oriented Programming and get a grasp of the difference from Functional Programming.
* I want to be able to build a full-stack application using Python from scratch.