

Exercise 1.1: Getting Started with Python

Learning Goals

- Summarize the uses and benefits of Python for web development
- Prepare your developer environment for programming with Python

Reflection Questions

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?

I feel like backend development deals more with databases and data entry. Operations would include writing out data and figuring out ways to interact with that data. Frontend development deals more with finding a way to pull that data into a more functional format, while also creating a good user interface to interact with that data. Backend development would work with the data and testing the endpoints.

2. 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")

Readability works with both JS and Python. They both have understandable keywords to make commands and perform tasks. They both use dynamic Typing as well. Python offers a number of open-source and propriety packages. This allows the developer to have an array of tools at his disposal. Python also comes with many essentials, such as URL routing, form handling and validation, template engines, database connections, web security, and session handling. This is a huge benefit to a developer. Python has a great community that can help anyone who has issues or questions.

3. 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?

Goal 1 : I want to gain a basic understanding of Python so I can continue my education on it after I am done with this course.

Goal 2: I would like to see what other applications or web sites also use Python. It would be great to understand that concepts and code that go into those applications/ websites.

Goal 3: I would like to see if Python would be something that I would like to take on as a main focus for a career. If it is, I would like to try to attain a job working with Python. When/If I get a job using Python, I would love to try to master working with it the best I can.