

# Python Learning Journal

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## 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 web development is what the user sees and interacts with. Backend is where operations that occur for handling requests, interacting with databases and files the server. If I was hired as a backend programmer, I would anticipate working on CRUD operations, working with databases, security concerns, and working with servers.

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?

JavaScript and Python are both scripting languages that use dynamic typing. JavaScript is not optimized for backend development, however Python's straightforward syntax and high readability and range of libraries and frameworks may make more sense in this situation.

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?

- I want to learn basic Python syntax.
- In this achievement I want to be able to setup an environment to get started using Python.
- After this achievement I want to continue to build my knowledge and skillset to become marketable as a backend developer.

