

Lesson One Questions (Achievement One)

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

Frontend development is about what those who visit a site see and use directly. This could include the programming of visual features like buttons, forms and images and the logic connected directly to them. In final form it involves HTML, CSS and JS. The back end is not affected directly by users and users cannot access the programming of it. It can involve different languages and involve work with the servers and APIs (eg requests). It can also involve connecting and interacting with databases.

2 Imagine that you are working like a full stack developer soon. Your team is asking for your advice on whether to use JavaScript or Python for a project and you think that Python would be the better choice. How would you explain the similarities and differences between the two languages to your team? Based on what you saw in this lesson what reasons would you give to convince your team that Python is the better option?

One benefit of Python is that it is simple in format and can be quick to learn and understand. The readable design of the language allows those who see it to basically be able to understand what is happening without too much explanation needed. It is dynamically typed like JavaScript but in a simpler way of writing it. Packages are also convenient because they add many features and come with Python. Management is also simple. Where being efficient, readable and simple are priorities Python might be the best choice.

3 Now that you got an introduction to Python write three goals which you made for yourself and learning during this Achievement. You can use these questions to reflect if you want. 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?

One goal is that I want to learn how to work with if/else statements and custom reusable functions because these are helpful tools in so many languages. I also want to be able to take inputs and be prepared to process them effectively by the end of the achievement. I also hope to use Python for the back end a personal app which enables anonymous sharing of information.