Task 1.1:

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 focused primarily on what users see and how they interact with a program. Backend development is primarily focused on the server-side of a program. If I were a back-end engineer, I would mostly work on the structure of a site, databases and the API.

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?

Python and JavaScript are similar because they are both scripting languages, both use easily understandable keywords for commands, and both use dynamic typing. Python and JavaScript are different because Python is used mostly in backend development while JavaScript can be used in both front and backend development. I think that Python would be a good choice for a project because it is very readable, there are a lot of open source packages, it has helpful pre-installed web operations, and it has a strong support community.

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 would like to learn how to write APIs with Python.

- I would like to test these APIs with Python.

- In the future, I would like to work on more backend development.