

1. What are databases and what are the advantages of using them?
 - Databases are external storage systems that hold organized collections of data. There are many advantages to databases. They provide security mechanisms to protect data from unauthorized access, ensure that the inputted data is consistent, and allow for easy data manipulation and querying.
2. List 3 data types that can be used in MySQL and describe them briefly:

Data type	Definition
VARCHAR(n)	String of variable length, with n representing the maximum number of characters
Integer	Standard integers
Float	Floating-point decimal numbers

3. In what situations would SQLite be a better choice than MySQL?
 - Using SQLite is a better choice than MySQL when working with simple databases that don't store complex data or small applications where the database is embedded within the application.
4. What do you think about the differences between JavaScript and Python as programming languages?
 - Based on my current experience with JavaScript and Python, I believe there are many similarities between the two programming languages. Considering I have more experience with JavaScript, so far JavaScript has more features to update the UI to make it more user friendly and visually appealing. Alternatively, when it comes to readability of the code, I think Python is much easier to understand, write, and read.
5. What would you say are the limitations of Python as a programming language?
 - I believe one of the biggest differences between JavaScript and Python is also one of the biggest limitations of Python as a programming language. So far, the tasks/exercises don't seem to apply to the frontend development or focused on making the results/output visually appealing. While that focus may be in the second achievement, Python seems to be mostly suited for backend development.