Class Activity - 1/11/23
1. Do you believe our capacity for abstract thought is influenced by our language skills? Support your opinion.

> I believe that having a more diverse and well rounded knowledge of language we would be able to think more abstractly. I think this because our ability to describe and work towards a complex solution would be easier if we could better explain concepts.

2. What are some features of specific programming languages that you know whose rationales are a mystery to you?

> Python - Why does it use tabs instead of brackets?
> - Why is it good for AI?
> R - Why is it better at statistical analysis compared to other languages?
> - Why does spacing not really matter for R?
> - Why did they decide to use "<-" to store things?
> SQL - Why does spacing not matter? (you could write a whole query on one line but it would impact the overall readability.)

3. What arguments can you make for the idea of a single language for all programming domains?

> -It would be easier for developers to communicate and contribute ideas since they share a common language.
> -There would probably be a more defined path of education for the field.
> -It would take less time to learn to write code because you only need to know the syntax of one language.
> -It would be easier to find employees to fill positions because they would all be trained on the same skills.

4. What arguments can you make against the idea of a single language for all programming domains?

> -Code for certain tasks may not compile as quickly depending on which language is chosen.
> -Existing softwares would have to be rewritten to use the language otherwise it would be hard to maintain if no one uses the language.
> -It probably would make programming a less desirable/lower paid position because more people would be interested since you only have to learn a single position.