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CS-410W
Assignment 1
1/8/2022

2. Slicer in python language because I've not used it really well and it works differently every time, I use it. That's what I think so.

3. Some people prefer single language for every domain which could be beneficial like you're working in a company where they only use C++ like Microsoft and you only use C++ for everything, that's fair because they need nothing to complete tasks and it fulfill their needs.

4. Single Languages for every domain is like you are using same knife to chop grass and same for the onions. It might work but not efficiently and, in some cases, to support a function programmer has to code more.

5. While choosing a language for your specific project or task a programmer should make sure about the reliability like if it's a production ready language or not, community like JAVA has been in the market for a long term and almost every programmer is comfortable with errors and warning so it's a big community to help others example new programmers. Overall simplicity also matters while building applications.

6. Printing statement in any language is the most common readable and understandable statement. Python – print(), Java – system.out.println(), C++ - cout<<, Dart – print(), JS – console.log(), etc.

8. Pros for Case Sensitive languages are

- o  No ambiguity between user defined and system/pre-defined functions.
- o  Makes difference while creating any class, object, function, data type, etc.

Cons for Case Sensitive languages are:

- o  Have to choose specific names for everything which doesn't collide with predefine words.

10. The hardware is inexpensive but a fast or efficient program should be compiled and execute properly not working poorly and being worthless.

12. Exception Handling is the best feature I've used and been experienced is the perfect thing which makes programming easy and safer to write.

15. Type declaration has been an issue with many people because some languages are type bounded and some are not for example – java, cpp, c, dart, etc are the type bounded languages which need a type in front of them to store the data and moreover which kind of data. But on the other hand, languages like – python, JavaScript, kotlin, etc. are not type bounded so a programmer can change data type on runtime.

18. I believe and use one line comments to write where I need no justification and there is no need to write more than one line for example if there is a bug in that function, I would just comment bug#34L with some code. This would help other programmers to read that code in the

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system and fix it. But with the multiline comments are used where a programmer writes a whole justification or explanation about what is going on in the background.