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Worked together with John Ngan

Lab 1

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| **Problem Domain** | **Language(s) Selected and rationale for selection** | **What about language made it easy?** | **What about the language made it difficult?** |
| Reporting | Python  Python has a large number of functional libraries available, simple language features, and a small amount of code can meet the requirements. | The CSV library with python can easily read data from CSV files. The list data structure flexibly adds elements and has a powerful sorting function. Simple, powerful and flexible language | Python relies on indentation to judge before and after sentence breaks, and a little carelessness when writing code will cause errors. And it may be a hidden error that is difficult to troubleshoot. |
| Math Calculation | Python  Python has a large number of functional libraries available, simple language features, and a small amount of code can meet the requirements. | Because python is very flexible and concise, it is very easy to deal with this basic operation | same as above |
| Web Development | HTML + CSS + JavaScript  HTML+CSS is very suitable for fast presentation of documents, charts or any content. Simple marking can achieve the effect. JavaScript is used to run API requests. | HTML uses simple markup to display various tables, graphics, and layouts. Adding the beautification effect of CSS can easily achieve the requirements. The JavaScript connection API request code is concise. | A lot of code fine-tuning is needed to achieve the goal. The API link of the target website requires a certain learning cost. |