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| Completion date | Task | Review |
| 06/02 | Java Basics – completed | The first lab gave me a good introduction to Java’s variables, arrays and alerts. This is useful groundwork as the knowledge will feed into creating other loops and functions. The tasks were completed with relative ease as they were quite simple. |
| 13/02 | Java Decisions - completed | This lab introduced various loops as well as conditional statements which direct the flow of code. If and else statements were used to calculate tax contributions based on a given salary and switch statements were used to return a certain messaged based on a given value. Learning the loops is important as it allows for better coding practises further on. The lab was completed in the session and no help was required. |
| 20/02 | Java functions and Objects – completed | The third lab introduced objects to java. This was useful to learn you can assign strings and integers to an object to hold that data. These tasks were easy to understand except one where I did require some additional research to complete a task and understand how to access the data inside of the object by using ‘.dataName‘ |
| 27/02 | Java Dom – completed | This lab was important as manipulating the document object model is a large part of JS. Learning how children work and inheritance is useful when it comes to creating elements using javascript and using conditions in JS. The lab tasks were completed in the session, but I did require some additional research to fully understand innerHTML method and what it is used for but could still do with some additional research. |
| 06/03 | Java Events – completed | The events lab introduced events such as on hover or on click which is useful for form validation. I used to lab to practise html validation and javascript validation. Both are applicable and can be used to stop invalid forms which contain mis-inputted information which would hurt the data stores. The lab tasks were completed in the session and was straight forward. The javascript validation did require a little extra time and research to ensure it worked properly. It also may require some more research in order to apply this properly to my assignment. |
| 13/03 | Python data and loops – completed | This lab was a refresher to my prior python knowledge, having already studied it at A-level. However, the lab did help improve my basic skills with respect to dictionaries and string formatting. More so dictionaries over string formatting is an important skill in python, being able to put strings, Boolean and integers under a single variable is important. The lab was completed in the session, and I spent a large amount of time researching tuples and dictionaries, including their differences. |
| 20/03 | Python functions – completed | This final python lab introduced files opening and closing as well, functions including try and except. These are important concepts to python as the loops are important in relation to files e.g., reading the file. Try and except is important as well as if the file can’t be opened for whatever reason, the error can be handled and therefore wont crash the program. For loops were also used here to read through arrays or files and carry out actions based on that. |