Answers to Data Processing homework week 3

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- Explain the difference between the == operator and the === operator.

  Using == allows JavaScript to convert one of the values to make the comparison possible. However, if you do not want JavaScript to convert the value, you should use ===, which makes it compare the exact values, and not convert the values' data types.

- Explain what a closure is. (Note that JavaScript programs use closures very often)

  Closure is when a function has private access to variables within its curly brackets ({ }), which functions the same as in C.

- Explain what higher order functions are.

  A higher order function is a function that can use another function as an argument and can return another function.

- Explain what a query selector is and give an example line of JavaScript that uses a query selector.

  A query selector searches an element or a document for an element that satisfies a set of selectors. An example that searches for all paragraphs in a document can be:

  ```
  paragraphs = Doc.querySelector("p")
  ```