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Cs 120

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Week 12 Notes

* Multidimensional
  + Data stored in a multidimensional array stores the last dimension written in the code first
  + The first number for defining the array doesn’t need to be defined if the array is multidimensional
    - But the next numbers do need to be defined
      * Example: a[][6][6]
* 2 Dimensional arrays
  + If the computer wanted to jump to the data value stored in array at a[2][3]
    - It makes the jump to this place by jumping 2 \* length of row + 3
* Constant integer variables
  + Can’t be changed once the value is compiled
    - Except if the value is changed through pointers however it will likely give a segmentation fault
* Pointers
  + Pointers must match data types
    - A pointer to a double can’t point to a pointer of an integer
    - Bad idea to have the data type of pointer change for one instance
      * You’d want it to be the same in all instances