COMP9020 Week 1 Recap

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- Proof strategies
- Number theory
  - Floor $\lfloor \cdot \rfloor$ and ceiling $\lceil \cdot \rceil$ functions
  - Interval $[m, n]$, (m, n), etc
  - Absolute value $|\cdot|$ function
  - Divides relation $m|n$
  - Greatest common divisor, least common multiple
  - div, %, mod

Need to know for this course

- How to present proofs
- Number theory definitions and notation. Especially:
    - Interval notation
    - Divides relation
    - gcd, lcm
    - $a = b \pmod{n}$